

Edelbrock

NITROUS PRODUCTS



Edelbrock
NITROUS SYSTEMS

WARNING!
NON LIFE SUPPORTING, INDUSTRIAL
USE ONLY, LIQUEFIED GAS,
HYDROGEN ACCELERATES
COMBUSTION, KEEP OIL AND GREASE
AWAY, FILL ONLY WITH NITROUS OXIDE

WEIGHT OF CYLINDER & GAS: 24.3 GRS.
WEIGHT OF CYLINDER EMPTY: 19.7 GRS.
WEIGHT OF GAS: 4.6 GRS.

**NITROUS OXIDE MIXTURE WITH
MAXIMUM 100 PPM SULFUR DIOXIDE
(SIPHONED)**

WARNING!
FOR RACING ONLY, DO NOT BREATHE, CAN CAUSE DEATH, DO NOT ALLOW TO CONTACT SKIN,
CAN CAUSE SERIOUS PROBLEMS, FOR THIS REASON USE CAUTION WHEN HANDLING BOTTLE IN
THE VEHICLE AREA, SAFETY DISCHARGE VALVE MAY RELEASE CONTENTS AT ANY TIME, DO NOT
PUNCTURE, INCINERATE, USE HEAT, OR STING ABOVE 100°F (38°C), DO NOT SEAL OR
DO NOT SEAL WITH OPEN FLAME, EXPLOSIVE BOTTLE FAILURE CAN OCCUR

COMPRESSED GAS
OXIDIZING
NOS
UN 3156
NON FLAMMABLE GAS

NON FLAMMABLE
OXIDIZER

EDSELBROCK CORPORATION, 2700 CALIFORNIA ST., TORRANCE, CA 90503

Edelbrock
NITROUS SYSTEMS

71900

ACTIVATION
12 VOLT
12 VOLT
TIMER
OUTPUT
GROUND
FUEL
SOLENOID
GROUND
NITROUS
SOLENOID
GROUND

FUNCTION ENTER
PROGRESSIVE
NITROUS CONTROLLER

NITROUS PERFORMANCE PRODUCTS

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EDELBROCK NITROUS SYSTEMS



Edelbrock is known for innovative products, and our Nitrous Systems are no exception. All Edelbrock Nitrous Systems are dyno-tested and calibrated to deliver accurate and safe horsepower gains with even distribution to each cylinder. Our nitrous calibrations are determined through dyno-testing, not simple mathematical formulas, which don't take into account real-world variables. Available from 20 to 500+ hp, Edelbrock Nitrous Systems and components are the quickest and easiest way to get large horsepower increases with a minimum of engine modifications and expense. With the Performer and Performer RPM Line of Nitrous Systems, you get a 50 to 250 horsepower increase at the flip of a switch with an installation time of approximately four hours. Performer RPM II systems include high-flow solenoids and stainless steel spray bars for 400+ hp capability. Victor Jr. racing systems produce serious horsepower with jetting supplied from 200 to 400+ horsepower. If you want to take it up to the extreme level we have the Edelbrock Series 1, Series 2 and Series 3 Direct-Port Nitrous Systems which yield a huge gain of up to 500+ horsepower! **Check out these advanced features:**

High-Flow Bottle Valve Included with All Systems

— Capable of Handling 500+ HP

Hinged Steel Red Powder Coated Bottle Brackets

— Rubber Insulators Included to Protect the Nitrous Bottle

Pre-Terminated Wiring Harness

— Longer Leads and Covered Fuse Holder for Better Corrosion Resistance

High-Quality, Powder Coated or Anodized Aluminum Nitrous Plates

— Work on Both Dual-Plane and Single-Plane Intakes

Detailed Installation Instructions

— Expert Technical Support, Toll-Free Tech Hotline and edelbrock.com

Precision-Machined Stainless Steel Nitrous and Fuel Solenoids

— Flow Matched to the Horsepower Range of Edelbrock Nitrous Systems

— Fully Repairable and Serviceable

— Durable Teflon® Plunger Withstands Seal Expansion

Precision CNC-Machined Stainless Steel Jets

— Won't Erode Like Brass Jets

EDELBROCK NITROUS SYSTEM CONFIGURATIONS AND FEATURES...

NITROUS SYSTEMS	PAGE	HP ADDED	INJECTOR/PLATE TYPE	SOLENOIDS (QTY)	NITROUS BOTTLE	BRACKETS
CARB/PLATE SYSTEMS						
Performer	3	50-75-100	Square-bore or Spread-bore	Performer (2)	10 lb. Powder Coated or Polished	Hinged Steel
Performer RPM	4	100-150-175-200-250	Square-bore	Performer RPM (2)	10 lb. Powder Coated or Polished	Hinged Steel
Performer RPM	4	100-150-175	Spread-bore	Performer RPM (2)	10 lb. Powder Coated or Polished	Hinged Steel
Performer RPM	4	100-150-200-250	4500 Series	Performer RPM (2)	10 lb. Powder Coated or Polished	Hinged Steel
Performer RPM Dual-Stage	4	75-250	Square-bore	Performer (2), Perf. RPM (2)	10 lb. Powder Coated	Hinged Steel
Performer RPM Dual-Stage	4	50-200	Spread-bore	Performer (2), Perf. RPM (2)	10 lb. Powder Coated	Hinged Steel
Performer RPM Dual-Quad	4	100-150-200-250	Square-bore or 4500 Series	Victor Pro (1), Perf. RPM (1)	10 lb. Powder Coated or Polished	Hinged Steel
Performer RPM II	5	200-400+	Square-bore or 4500 Series	Victor Pro (2)	10 lb. Powder Coated	Hinged Steel
Performer RPM II Dual-Stage	5	100-400+	Square-bore or 4500 Series	Victor Pro (2), Perf. RPM (2)	10 lb. Powder Coated	Hinged Steel
Victor Jr.	6	200-400+	Square-bore or 4500 Series	Performer RPM (4)	10 lb. Powder Coated	Hinged Steel
Victor Jr. Dual-Stage	6	100-500	Square-bore or 4500 Series	Performer RPM (4)	10 lb. Powder Coated	Hinged Steel
EFI SYSTEMS						
Performer RPM Pro-Flo	7	100-150	Edelbrock Pro-Flo only	Performer RPM (2)	10 lb. Powder Coated	Hinged Steel
Universal Performer EFI (wet & dry)	7	40-80	E1 or Dry (Nitrous-only) Nozzle	Performer (2)	10 lb. Powder Coated or Polished	Hinged Steel
Ford Performer EFI (wet & dry)	8	50-150	Dry (Nitrous-only) Nozzle	Performer (2)	10 lb. Powder Coated	Hinged Steel
GM Performer EFI (dry)	8	40-150	Dry (Nitrous-only) Nozzle	Performer (2)	10 lb. Powder Coated	Hinged Steel
Chrysler Hemi Performer EFI (wet)	8	40-60-80	E1 Nozzle	Performer (2)	10 lb. Powder Coated	Hinged Steel
Sport Compact Performer EFI (wet & dry)	8	40-75	E1 or Dry (Nitrous-only) Nozzle	Performer (2)	10 lb. Powder Coated	Hinged Steel
CONCEALED KIT						
Concealed Kit for Carbs/EFI	7	20-30	Dry (Nitrous-only) Nozzle	Performer (1)	12 oz. Powder Coated	-

Engine Configuration Tips for Edelbrock Nitrous Systems

1 When using an Edelbrock Nitrous System, extra fuel is required to make the added horsepower. We recommend Edelbrock fuel pumps on pages 27-28, to supply the needed fuel for all Edelbrock Nitrous Systems. Call the Edelbrock Tech Line at 1-800-416-8628 for more information in determining your fuel system needs.

2 Because of the high cylinder pressures generated with nitrous systems, we recommend high-strength internal engine components such as forged pistons and crankshaft, high-performance connecting rods, etc. with power increases of 150 horsepower or more.

3 Since many standard ignition systems experience misfire at high cylinder pressures and/or high RPM, we recommend using a high-quality performance ignition system. All performance upgrades such as Edelbrock Performer and Performer RPM Power Packages, fresh air systems, cams, cylinder heads, etc. will work with the Performer and Performer RPM Nitrous Systems. Victor Jr. and direct port systems are for competition level engines only.

CARB/PLATE NITROUS SYSTEMS



Nitrous System #70001

50-100 Added Horsepower

Engine Modifications

	Recommended	Required
Premium Fuel	-	X
Ignition Retard	X	-
Upgraded Fuel System	X	-

PERFORMER NITROUS PLATE SYSTEMS

Single-Stage: 50-100 Horsepower

Edelbrock Nitrous Plate Systems give you the horsepower numbers you are looking for in a system that's easier to install than other systems on the market. Designed to be the best carb/plate kits available, they have more jets than other brands giving you greater tuneability and our spray bars are precision machined on an EDM machine instead of standard drilling, giving you the best flow characteristics available.

Performer single-stage nitrous systems are designed for use on carbureted V6 and V8 engines. Power increases can be adjusted from 50-100 horsepower. Edelbrock nitrous systems are simple to install with a 1/2" thick aluminum plate that fits between the carburetor and the intake manifold. *Ideal for stock or crate engines with cast or hypereutectic pistons. Available with silver powder coated or polished aluminum 10-lb. bottle. Precision EDM machined spray bars for the best flow characteristics available*

PERFORMER NITROUS PLATE SYSTEMS	SILVER POWDER COATED	POLISHED ALUMINUM
Square-bore carbs (50-75-100 HP)	70001	70031
Spread-bore (Q-Jet) carbs (50-75-100 HP)	70002	70032

NITROUS PLATE KITS

Use Edelbrock Nitrous Plate Kits to upgrade existing nitrous systems. Nitrous plate kits include high-quality, powder coated aluminum nitrous plates, stainless steel jet assortment and stainless steel lines from plate to solenoids. Available for square-bore and spread-bore carburetors.

PERFORMER PLATE KITS	PART NUMBER
For square-bore carbs (50-75-100 HP)	70011
For spread-bore (Q-Jet) carbs (50-75-100 HP)	70012



Nitrous System #70050

100-250 Added Horsepower

Engine Modifications

	Recommended	Required
Single Plane Intake Manifold	X	
Premium Fuel	-	X
Race Fuel	X	-
Upgraded Fuel System	X	-
Upgraded Ignition System	X	-
Ignition Retard	-	X
Colder Spark Plugs	-	X
Forged Pistons	X	-
Upgraded/Aftermarket Rods & Crank	X	-

PERFORMER RPM NITROUS PLATE SYSTEMS

Single-Stage: 100-250 Horsepower

Performer RPM single-stage nitrous systems are designed for use on carbureted V8s. The solenoids are larger than our Performer systems and power increases can be adjusted from 100-250 horsepower. Edelbrock Nitrous Systems are simple to install with a 1/2" thick aluminum plate that fits between the carburetor and the manifold. *Precision EDM machined spray bars for the best flow characteristics available*

PERFORMER RPM NITROUS PLATE SYSTEMS	SILVER POWDER COATED	POLISHED ALUMINUM
Square-bore carbs (100-150-175-200-250 HP)	70050	70033
Square-bore (Q-Jet) carbs (100-150-175 HP)	-	70034
4500 Series carbs (100-150-200-250 HP)	70053	70035



Nitrous Upgrade Kit #70021

UPGRADE KITS

Performer to Performer RPM

Upgrade Kits include everything needed to upgrade Performer nitrous systems to a Performer RPM system including plates, solenoids, jets and all hardware.

UPGRADE KITS	PART NUMBER
Performer RPM square-bore upgrade kit (100-150-175-200-250 HP)	70021

CARB/PLATE NITROUS SYSTEMS



Dual-Stage Nitrous System #70003

50-250 Added Horsepower

Performer RPM Nitrous Systems include:

- 10-lb. capacity nitrous bottle (shipped empty)
- Performer RPM nitrous and fuel solenoids
- aircraft quality steel braided hose
- spray bar plate • nitrous filter
- stainless steel jet selection
- fittings • switches • brackets
- hardware • owner's manual

Engine Modifications

	Recommended	Required
Single Plane Intake Manifold	X	-
Premium Fuel	-	X
Race Fuel	X	-
Upgraded Fuel System	X	-
Upgraded Ignition System	X	-
Ignition Retard	-	X
Colder Spark Plugs	-	X
Forged Pistons	X	-
Upgraded/Aftermarket Rods & Crank	X	-

PERFORMER RPM NITROUS PLATE SYSTEMS

Dual-Stage: 50-250 Horsepower

Performer RPM Dual-Stage Nitrous Systems are designed for those who want to **add power in stages to soften the "hit" of the nitrous system.** This is one of the best ways to control excessive tire spin or violent chassis reaction. Performer RPM Dual-Stage Systems allow you to adjust the first stage to supply 50-150 additional horsepower, then trigger the second stage for 150-250+ horsepower. They include all the high quality features of single stage Performer RPM systems with the additional solenoids and spray bar plate to add a second stage of nitrous to your engine. Simple to install — a low-profile 1/2" thick aluminum injector plate fits between the carb and the manifold. **Precision EDM machined spray bars for the best flow characteristics available.**

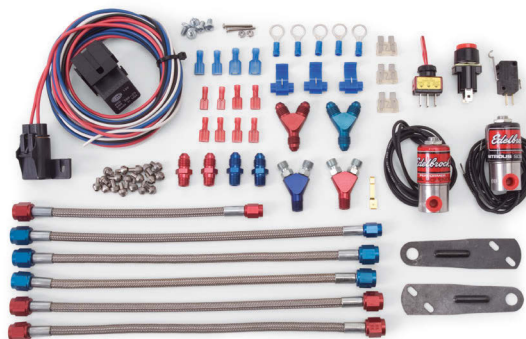
PERFORMER RPM DUAL-STAGE	PART NUMBER
Square-bore carbs (50-250 HP) with silver powder coated bottle	70003
4500 Series carbs (100-250 HP) with silver powder coated bottle	70004

UPGRADE AND PLATE KITS

Performer RPM Single- to Dual-Stage Upgrade Kit

Includes everything needed to **upgrade from a Performer RPM Single-Stage nitrous system to a Performer RPM Dual-Stage system:** Performer fuel and nitrous solenoids, lines, gaskets, studs, stainless steel jets, brackets, switches and Y-fittings.

UPGRADE KITS	PART NUMBER
Performer RPM dual-stage upgrade kit (50-250 HP)	70005



Performer RPM Dual-Stage Upgrade Kit #70005

Performer RPM Nitrous Plate Kits

Plate kits include high-quality, powder coated aluminum nitrous plates, stainless steel jet assortment and stainless steel lines from plate to solenoids.

PLATE KITS	PART NUMBER
For square-bore carbs (100-250 HP)	70060
For spread-bore (Q-Jet) carbs (100-175 HP)	70061
For 4500 series carbs (100-250 HP)	70063

PERFORMER RPM NITROUS PLATE SYSTEMS

Dual-quad: 100-250 Horsepower

Performer RPM single-stage nitrous systems are designed for use on carbureted V8s with dual-quad square-bore or 4500 series carburetors. The solenoids are larger than our Performer systems and power increases can be adjusted from 100-250 horsepower. Edelbrock Nitrous Systems are simple to install with two 1/2" thick aluminum plates that fit between the carburetors and the manifold. **Precision EDM machined spray bars for the best flow characteristics available.**



Nitrous Plate System #70090

100-250 Added Horsepower

PERFORMER RPM DUAL-QUAD	SILVER POWDER COATED	POLISHED ALUMINUM
Square-bore carbs (100-250 HP)	70090	70091
4500 Series carbs (100-250 HP)	70092	70093

CARB/PLATE NITROUS SYSTEMS



Nitrous System #70080

200-400+ Added Horsepower

Engine Modifications

	Recommended	Required
Single Plane Intake Manifold	-	X
Premium Fuel	-	X
Race Fuel	X	-
Upgraded Fuel System	-	X
Upgraded Ignition System	X	-
Ignition Retard	-	X
Colder Spark Plugs	-	X
Forged Pistons	-	X
Upgraded/Aftermarket Rods & Crank	X	-

PERFORMER RPM II NITROUS PLATE SYSTEMS

With Stainless Steel Spray Bars

Performer RPM II Nitrous Carb/Plate Systems are available in single- or dual-stage configurations for power gains from 200 to 400+ horsepower. Using stainless steel spray bars rather than standard brass for maximum durability, these systems also utilize our Victor Pro fuel solenoids and Victor Pro bottom discharge nitrous solenoids for enhanced flow capacity.

Single-Stage: 200-400+ Horsepower

Performer RPM II single-stage nitrous systems are designed for use on carbureted V8 engines. They feature Victor Pro fuel solenoids and Victor Pro bottom discharge nitrous solenoids for enhanced flow capacity. Power increases can be adjusted from 200-400+ horsepower. The 1/2" thick aluminum spray bar plate fits between the carburetor and the intake manifold and features stainless steel spray bars with more discharge holes than Performer RPM systems for more flow and superior atomization. **Precision EDM machined spray bars for the best flow characteristics available.**

PERFORMER RPM II SINGLE-STAGE	PART NUMBER
Square-bore carbs (200-400+ HP) with silver powder coated bottle	70080
4500 Series carbs (200-400+ HP) with silver powder coated bottle	70081

UPGRADE KITS

Performer RPM to Performer RPM II Nitrous Plate

Includes everything to upgrade existing Performer RPM kits to Performer RPM II specs: Victor Pro solenoids, plate with stainless steel spray bars, and jets.

UPGRADE KITS	PART NUMBER
Square-bore carbs (200-400+ HP) converts #70050 or #70033	70085
4500 Series carbs (200-400+ HP) converts #70053 or #70035	70086



Dual-Stage Nitrous System #70082

100-400+ Added Horsepower

Engine Modifications

	Recommended	Required
Single Plane Intake Manifold	-	X
Premium Fuel	-	X
Race Fuel	X	-
Upgraded Fuel System	-	X
Upgraded Ignition System	X	-
Ignition Retard	-	X
Colder Spark Plugs	-	X
Forged Pistons	-	X
Upgraded/Aftermarket Rods & Crank	X	-

PERFORMER RPM II NITROUS PLATE SYSTEMS

With Stainless Steel Spray Bars

Performer RPM II Nitrous Carb/Plate Systems are available in single- or dual-stage configurations for power gains from 100 to 400+ horsepower. Using stainless steel spray bars rather than standard brass for maximum durability, this dual-stage system utilizes our Performer RPM nitrous and fuel solenoids for the first stage and Victor Pro Fuel solenoid and Victor Pro bottom discharge nitrous solenoid for enhanced flow on the second stage. **Simple to install — a low-profile 1/2" thick aluminum injector plate fits between the carb and the manifold. Precision EDM machined spray bars for the best flow characteristics available.**

Dual-Stage: 100-400+ Horsepower

Performer RPM II Dual-Stage Nitrous Systems are designed for those who want to add power in stages to soften the "hit" of the nitrous system. This is one of the best ways to control excessive tire spin or violent chassis reaction. Performer RPM Dual-Stage Systems allow you to tune the first stage to supply 100-200 additional horsepower, then switch to the second stage for 200-400+ horsepower. **Precision EDM machined spray bars for the best flow characteristics available.**

PERFORMER RPM II DUAL-STAGE	PART NUMBER
Square-bore carbs (100-400+ HP) with silver powder coated bottle	70082

UPGRADE KITS

Performer RPM II Single- to Dual-Stage

Performer RPM II Dual-Stage Upgrade Kits allow you to upgrade to a Performer RPM II Dual-Stage System, which is capable of 100-400+ added horsepower in two stages. These kits include everything needed for installation including Performer RPM fuel and nitrous solenoids, lines, gaskets, studs and stainless steel jets.

UPGRADE KIT	PART NUMBER
Square-bore or 4500 Series carbs (100-400+ HP) converts to #70080 & #70081	70087



Nitrous Plate System #70056

200-400+ Added Horsepower

Engine Modifications

	Recommended	Required
Single Plane Intake Manifold	-	X
Race Fuel	-	X
Upgraded Fuel System	-	X
Dedicated Fuel Pump	X	-
Upgraded Ignition System	-	X
Ignition Retard	-	X
Colder Spark Plugs	-	X
Forged Pistons	-	X
Upgraded/Aftermarket Rods & Crank	X	-



Nitrous Plate System #70065

100-500+ Added Horsepower

Engine Modifications

	Recommended	Required
Single Plane Intake Manifold	-	X
Race Fuel	-	X
Upgraded Fuel System	-	X
Dedicated Fuel Pump	X	-
Upgraded Ignition System	-	X
Ignition Retard	-	X
Colder Spark Plugs	-	X
Forged Pistons	-	X
Upgraded/Aftermarket Rods & Crank	X	-

VICTOR JR. NITROUS PLATE SYSTEMS

Single-Stage: 200-400+ Horsepower

Dyno tests on a 500-inch Chevy proved that even at 400 HP settings, EGTs varied less than 5% from cylinder-to-cylinder. Features include shorter spray bars allowing more liquid nitrous to be injected into the intake for more even distribution across the plenum, a more balanced air/fuel ratio and a quicker response time. With four nitrous and four fuel jets, the Edelbrock Victor Jr. Plate System has more tuning capabilities than any plate system currently available. This efficient design, with a billet aluminum plate that's only 11/16" thick, uses less nitrous than conventional plate systems at the same power levels. Kits include everything shown to the right including a 10-lb. nitrous bottle (shipped empty), stainless steel jet selection, hardware and owner's manual for a complete installation. Add billet aluminum Solenoid Brackets #72286 or #72287 (see page 15) for an even more professional looking installation. **Precision EDM machined spray bars for the best flow characteristics available.**

VICTOR JR. NITROUS PLATE SYSTEM	PART NUMBER
Square-bore carbs (200-300-400+ HP) with silver powder coated bottle	70056

UPGRADE AND PLATE KITS

Victor Jr. Upgrade Kits

Victor Jr. Upgrade Kits allow you to upgrade from a Performer RPM Nitrous System or similar system from other manufacturers to a Victor Jr. Nitrous System, which is capable of 200-400+ added horsepower. These kits include everything needed for installation including Performer RPM fuel and nitrous solenoids, lines, gaskets, studs, stainless steel jets, 11/16" thick billet aluminum black anodized injection plate with intersecting "Dead Head" spray bars and owner's manual. This design has proven to produce the best nitrous and fuel distribution of any spray bar plate on the market, with adjustable power levels of 200, 300, and 400+ horsepower.

UPGRADE KITS	PART NUMBER
Square-bore carbs (200-400+ HP)	70024
4500 series carbs (200-400+ HP)	70025

Victor Jr. Plate Kits

Victor Jr. Plate Kits are for those who already have a bottle kit and solenoids and want to add our unique spray bar plate. Plate Kits include only the spray bar plate, solenoid lines, gaskets, studs and stainless steel jets.

PLATE KITS	PART NUMBER
Square-bore carbs	70014
4500 series carbs	70015

VICTOR JR. NITROUS PLATE SYSTEMS

Dual-Stage: 100-500+ Horsepower

Victor Jr. Dual-Stage Nitrous Systems are designed for those who want to add power in stages to soften the "hit" of the nitrous system. This is one of the best ways to control excessive tire spin or violent chassis reaction. Victor Jr. Dual-Stage Systems allow you to adjust the first stage to supply 100-150 additional horsepower, then trigger the second stage for 150-250+ hp. They include all the high quality features of single stage Victor Jr. systems but allow you to add a second stage of nitrous to your engine. **Precision EDM machined spray bars for the best flow characteristics available.**

VICTOR JR. DUAL-STAGE	PART NUMBER
Square-bore carbs (100-500 HP) with silver powder coated bottle	70066
4500 Series carbs (100-500 HP) with silver powder coated bottle	70065

UPGRADE & PLATE KITS

Victor Jr. Single- to Dual-Stage Upgrade Kit

Includes everything needed to upgrade from a Victor Jr. Single-Stage nitrous system to a Victor Jr. Dual-Stage system: Second stage nitrous relay, lines, and push buttons.

UPGRADE KITS	PART NUMBER
Square-bore carbs (100-500+ HP) converts #70056	70068
4500 series carbs (100-500+ HP) converts #70055	70067

EFI PLATE AND UNIVERSAL KITS



Nitrous System #70070

100-150 Horsepower

Engine Modifications

	Recommended	Required
Premium Fuel	-	X
Ignition Retard	X	-
Colder Spark Plugs	X	-

PERFORMER RPM PRO-FLO EFI SYSTEM

For Use with Edelbrock Pro-Flo EFI Single-Stage: 100-150 Horsepower

Designed for Edelbrock Performer RPM Pro-Flo EFI systems using our 4V air valve, these Nitrous Systems include a 10-lb. capacity nitrous bottle (shipped empty), nitrous and fuel solenoids, billet spray bar plate, aircraft quality steel braided hose, nitrous filter, stainless steel jet selection, aircraft quality fittings and all necessary switches, brackets, hardware and owner's manual for a complete installation. **Precision EDM machined spray bars for the best flow characteristics available.**

PERFORMER RPM PRO-FLO EFI SYSTEM	PART NUMBER
Pro-Flo 4V EFI systems (100-150 HP)	70070
Pro-Flo 4V EFI plate kit (includes stainless steel jets and lines from plate to solenoid)	70071



Concealed Nitrous Kit #70027 for carbureted applications

CONCEALED NITROUS KITS

These easily concealable kits are for carbureted and EFI applications. They can be installed in a matter of minutes and removed in even less, leaving no obvious signs of installation or use. Includes all necessary fittings, wiring, jets, solenoid and 12 oz. powder coated aluminum bottle for a complete installation.

CONCEALED NITROUS KITS	PART NUMBER
Concealed nitrous kits for carbureted applications (20-30 HP)	70027
Concealed nitrous kits for carbureted applications (20-30 HP)	70028



Universal EFI Dry Nitrous System #71006

40-80 Horsepower

Engine Modifications

	Recommended	Required
Premium Fuel	-	X
Ignition Retard	X	-
Upgraded Fuel System	X	-

UNIVERSAL EFI NITROUS SYSTEMS

Performer EFI Nitrous Systems are the best way to get a major power increase in your fuel injected late-model street machine. These systems work with your stock ECU for a simple installation.

EFI Wet Systems: 40-80 Horsepower

"Wet" systems use a direct-port style nozzle to introduce nitrous and fuel into the intake runner. Includes nitrous pressure gauge.

- 10-lb. nitrous bottle (shipped empty) available polished or silver powder coated
- Nitrous solenoids, filter, quality steel braided hose and fittings
- Stainless steel jets for longevity and tighter tolerances

UNIVERSAL PERFORMER EFI WET SYSTEMS	POLISHED ALUMINUM
Fits any 4 or 6 cylinder engine (40-60-80 HP)	71008

UNIVERSAL PERFORMER EFI DRY SYSTEMS	SILVER POWDER COATED	POLISHED ALUMINUM
Fits any 4 or 6 cylinder engine with return style fuel system (50-60-70 HP)	71000	71006

Dry and Wet Conversion Kits

Conversion Kits includes nozzle, solenoid and nitrous regulator where applicable to change your system to either a wet or dry application.

DRY AND WET CONVERSION KITS	PART NUMBER
Dry to wet nitrous system conversion kit	71883
Wet to dry nitrous system conversion kit	71884



Performer Nitrous System #70415



Performer Nitrous System #70207

EFI NITROUS SYSTEMS

Ford EFI Systems: 50-100 HP

Performer EFI "Wet" systems use a direct-port style nozzle to introduce nitrous and fuel into the intake runner. "Dry" Nitrous Systems supply nitrous directly into the intake stream, and the extra fuel is supplied through the OE injectors by raising the fuel pressure or changing the duty cycle.

FORD EFI WET SYSTEMS	PART NUMBER
2005-08 Mustang V6 (50-75 HP)	70415
FORD EFI DRY SYSTEMS	PART NUMBER
2003-04 Mustang Cobra SVT (80-100 HP)	70404

150 Added Horsepower

GM EFI Dry Systems: 50-150 HP

Performer EFI Dry Nitrous Systems supply nitrous directly into the intake stream. The extra fuel is supplied through the injectors by raising the pressure or changing the duty cycle, making them the safest and most reliable way to get power gains.

GM EFI DRY SYSTEMS	PART NUMBER
C5 Corvette with LS1 or LS6 (80-100-125 HP)	70202
Camaro/Firebird LT1 (150 HP) Includes a blow-down tube and booster fuel pump to support 150+ HP	70207
2002-04 Chevy Cavalier with Ecotec 2.2L (50-60 HP)	70211
HEMI EFI WET SYSTEMS	PART NUMBER
5.7L & 6.1L engines - sedans only (40-60-80 HP)	70216



Wet Nitrous System #71001

40-75 Added Horsepower

SPORT COMPACT PERFORMER WET AND DRY NITROUS SYSTEMS

40-75 Additional Horsepower at the Wheels

Performer Nitrous Systems are the best way to get a major power increase in your Sport Compact. The nitrous system interfaces with the OE fuel system and increases fuel flow to the existing fuel injectors when the system is armed and triggered. The Nitrous Systems listed below include: 10-lb. nitrous bottle (shipped empty, powder coated silver finish unless noted otherwise), brackets, aircraft quality steel braided hose, nitrous filter, jet selection, aircraft quality fittings, switches, hardware and owner's manual for a complete install. Power increases are shown in parenthesis.

WET SYSTEMS	PART NUMBER
2002-08 Honda Civic Si (40-70 HP)	71001
2002-08 Subaru WRX (50 HP)	71003
DRY SYSTEMS	PART NUMBER
2003-06 Nissan 350Z (50-75 HP)	71007
2004-06 Infinity G35 (50-75 HP)	71007

Intercooler Spray Bar Kits Features:

- Aluminum spray bar
- Stainless steel solenoid
- Stainless steel braided hose
- Anodized aluminum fittings



Intercooler Spray Bar Kit #70072

INTERCOOLER SPRAY BAR KITS

For Turbo/supercharged Vehicles

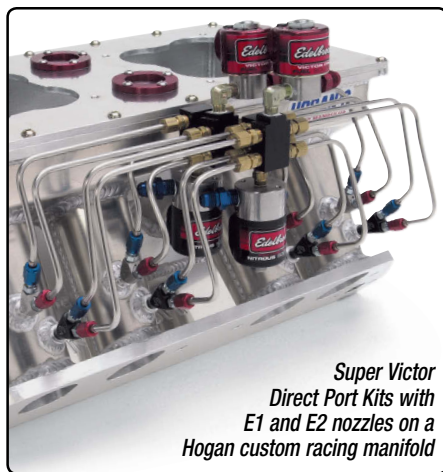
These systems purge N₂O or CO₂ on an air-to-air style intercooler of a turbocharged vehicle. This results in a colder, denser air charge increasing engine horsepower and lowering the chances of detonation. These systems include all necessary wiring, solenoid, switches, 1 foot stainless steel braided hose and brackets for a complete installation. Match with an Edelbrock Bottle Kit on page 18. Rings measure 5" x 7" and can be oriented to fit most intercoolers.



Intercooler Spray Bar Kit #70072 installed on Edelbrock Intercooler #15009

INTERCOOLER SPRAY BAR KITS	NATURAL FINISH	POLISHED FINISH
Intercooler spray bar kits	70072	70073

DIRECT PORT NITROUS KITS



Super Victor
Direct Port Kits with
E1 and E2 nozzles on a
Hogan custom racing manifold

EDELBROCK DIRECT PORT NITROUS KITS

Race-Winning Performance with Your Choice of Five Nozzle Designs

Our most sophisticated nitrous systems allow you to tune each individual cylinder for superior performance! Utilizing your choice of either Edelbrock E1, Edelbrock/Glidden E2 stainless steel, M3 Dual-Stage, our unique E3 titanium "Straight-Shot" nozzles, or Stainless Steel Dry nozzles for EFI applications, these direct port kits are designed for serious competition with power increases of up to 500 horsepower or more. To build a new system, match these kits with an Edelbrock Bottle Kit (see page 18) for maximum race-level performance with the bottle/bracket combination you want. For racers with an existing system, our manifold Plumb Kits include everything to plumb a manifold only (no wiring harness, relays, or thread tap).

Edelbrock Nitrous Nozzles are the Key to Superior Performance

Five different nozzle designs make Edelbrock Direct Port Nitrous Kits among the most versatile competition systems on the market today. Three designs use a 90° outlet configuration for ease of installation and plumbing, and our unique E3 titanium nozzle features a patented "Straight-Shot" configuration with an in-line discharge. With thread sizes of 1/8" NPT or 1/16" NPT, there's an Edelbrock nozzle for every racing application, whether you're building a new system or replacing outdated competitor's nozzles.

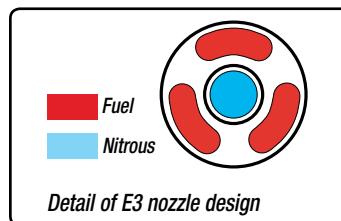
E1 Series:

- Black anodized lightweight aluminum
- Unique fuel passage design for extremely high atomization
- Direct bolt-on upgrade for other brands that use a 90° 1/8" NPT design



E3 Series:

- Exclusive titanium construction
- "Straight-Shot" configuration produces excellent fuel atomization
- Direct upgrade for other brands that use a 1/16" NPT "annular discharge" design



E2 Series:

- Durable stainless steel construction
- Designed with noted drag racer Billy Glidden
- Direct bolt-on upgrade for other brands that use a 90° 1/16" NPT design



M3 Dual-Stage Dry Series:

- Exclusive titanium construction
- For use in 1,000+ hp multi-stage nitrous drag racing applications
- Developed, tested and proven with drag racer, Pat Musi



SS Dry Series:

- Durable stainless steel construction
- Nitrous only nozzle for use with Electronic Fuel Injection
- Direct upgrade for other brands that use a 90° 1/16" NPT "dry" design



EDELBROCK DIRECT PORT NITROUS KITS CONFIGURATION & FEATURES...

PART #	DESCRIPTION	PAGE	HP ADDED	QTY. JETS INCLUDED	NOZZLES	SOLENOIDS		DISTRIBUTION BLOCKS	WIRING HARNESS & RELAYS	BOTTLE & BRACKETS
						NITROUS	FUEL			
#71841	Victor Direct Port Kit for V8 (E1)	11	100-150-200-250	40	E1 Aluminum, 1/8" NPT (8)	Performer (2)	Performer (2)	1/8" NPT 5-port (4)	Included	Sold Separately
#71840	Victor Direct Port Kit for V8 (E2)	11	100-150-200-250	40	E2 Stainless Steel, 1/16" NPT (8)	Performer (2)	Performer (2)	1/8" NPT 5-port (4)	Included	Sold Separately
#71846	Victor Direct Port Kit for 4-cyl. (E1)	11	50-75-100-125	28	E1 Aluminum, 1/8" NPT (4)	Performer (1)	Performer (1)	1/8" NPT 5-port (2)	Included	Sold Separately
#71850	Super Victor Direct Port Kit for V8 (E2)	13	200-300-400-500	56	E2 Stainless Steel, 1/16" NPT (8)	Victor Pro (2) Bottom Exit (2)	Victor Pro	1/8" NPT 5-port (4)	Included	Sold Separately
#71852	Super Victor Direct Port Plumb Kit for V8 (E3)	13	200-300-400-500	56	E3 Titanium, 1/16" NPT (8)	Victor Pro (2) Bottom Exit (2)	Victor Pro	1/8" NPT 5-port (4)	Included	Sold Separately
#71851	Custom Manifold Plumb Kit for V8 (E2)	13	300	16	E2 Stainless Steel, 1/16" NPT (8)	Victor Pro (2) Bottom Exit (2)	Victor Pro	1/8" NPT 5-port (4)	—	Sold Separately
#71853	Custom Manifold Plumb Kit for V8 (E3)	13	300	16	E3 Titanium, 1/16" NPT (8)	Victor Pro (2) Bottom Exit (2)	Victor Pro	1/8" NPT 5-port (4)	—	Sold Separately
#71813	2 Stage Super Victor EFI Dry Plumb Kit for V8 (E3)	13	250-300	16	E3 Titanium, 1/16" NPT (8)	Victor Pro (4)	—	1/8" NPT 5-port (4)	—	Sold Separately

DIRECT PORT NITROUS KITS



INTAKE MANIFOLDS WITH DIRECT PORT NITROUS SYSTEM

MANIFOLD AND DIRECT PORT SYSTEM, ALL-IN-ONE-BOX!

Now you can purchase a high-quality Edelbrock intake manifold with a direct port nitrous system all-in-one-box. These systems are compatible with any 4150 flange carburetor. They include an Edelbrock Victor Jr. intake manifold, Performer Series fuel and nitrous solenoids, distribution blocks and high flow lines with E2 Series nozzles. All the supply hard lines have been pre-formed and plumbed to deliver optimal nitrous and fuel flow on various applications. These systems are capable up to 300 additional horsepower. **Kits include jetting for 100 and 150 horsepower.** These systems do not include the bottle, relays or supply lines. Visit edelbrock.com to see a complete listing of nitrous accessories to finish off your installation.

MANIFOLD AND DIRECT PORT NITROUS SYSTEM	PART NUMBER
Victor Jr. for Chevrolet 262-400 Small-block	72975
Super Victor for Chevrolet 262-400 Small-block	72925
Victo Jr. 454-R for Chevrolet 396-502 Big-block	72902



System #72975 fully assembled



System #72975 out-of-the-box



Victor V8 Direct Port Nitrous Kit #71840

VICTOR DIRECT PORT NITROUS KIT

50-250 Added Horsepower

The Victor Direct Port Nitrous Kit is an entry level kit designed for street/strip and competition. This kit features high-quality components with your choice of either Edelbrock E1 or Edelbrock/Glidden E2 stainless steel nitrous nozzles. **Match with an Edelbrock Bottle Kit for maximum race-level performance with the bottle/bracket combination you want.** Victor Kits include Edelbrock Performer solenoids and stainless jetting, precision CNC machined billet distribution blocks, plus all necessary fittings and electrical components for unmatched durability and quality.

VICTOR DIRECT PORT NITROUS KITS	E1 NOZZLE	E2 NOZZLE
Victor V8 Direct Port (100-150-200-250 HP)	71841	71840
Victor 4-cyl. Direct Port (street/strip 50-75-100-125 HP)	71846	-

TECH TIPS

Engine Configuration Tips For Edelbrock Direct Port Systems

- 1) When using an Edelbrock Direct Port Nitrous System, extra fuel is required to make the additional horsepower. Go to page 27 for more information regarding Edelbrock fuel pumps.
- 2) In extreme horsepower applications, such as with our Victor Jr., Victor & Super Victor Series Nitrous Systems, extremely high cylinder pressures can be generated. We recommend high-strength internal engine components such as forged pistons and crankshaft, high performance connecting rods, etc.
- 3) For race engine applications, there are cams specifically designed for use with nitrous. Typically, these cams will feature a wider-than-normal lobe separation angle, usually around 112° to 114° to keep the nitrous-enhanced intake charge from being purged out through the exhaust valve. Cam changes such as these are only to be performed on racing engines, not stock or near stock applications.
- 4) For race engine applications, many standard ignition systems experience misfires at high cylinder pressures and/or high RPM. We recommend using a high-quality performance ignition system.

CARB/PLATE KITS
EFI KITS
DIRECT PORT KITS
ACCESSORIES
BOTTLES & KITS
GAUGES
ELECTRICAL
FITTINGS & HOSES
FUEL PUMPS & REGS
DEALER
TECH TIPS
INDEX

DIRECT PORT NITROUS KITS

Engine Modifications for all Direct Port Nitrous Kits

	Recommended	Required
Premium Fuel	-	X
Race Fuel	X	-
Upgraded Fuel System	-	X
Dedicated Fuel Pump	X	-
Upgraded Ignition System	-	X
Ignition Retard	-	X
Colder Spark Plugs	-	X
Forged Pistons	-	X
Upgraded/Aftermarket Rods & Crank	X	-

3/16" Tube Bending Tool

Makes installation of those tough-to-bend direct port nitrous lines a breeze. Get a professional looking installation every time. Can also be used on other 3/16" hard lines.

Tube Bending Tool.....#76503



Use the Edelbrock Tube Bending Tool for a professional looking installation

Direct Port Nitrous Kits

Nitrous & Supplemental Fuel

Each intake runner is equipped with its own direct-port style nozzle which injects both nitrous and additional fuel metered by tuning jets into the incoming air charge. This type of system is ideal for individual cylinder tuning and developing maximum horsepower.



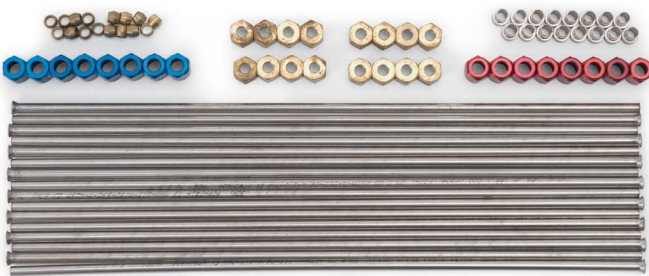
Photo courtesy of Steve Montgomery

DIRECT PORT V8 RE-PLUMB KIT

This kit is intended for racers who have a Victor Direct Port Kit, and want to transfer it to a different intake manifold. This kit provides everything needed without the hassle of having to buy each component individually.

- Includes -3 AN 3/16" red tube nuts, 3/16" ferrules and compression fitting nuts
- Also 12" X 3/16" seamless stainless steel tubes and Russell Endura sleeves for a secure connection

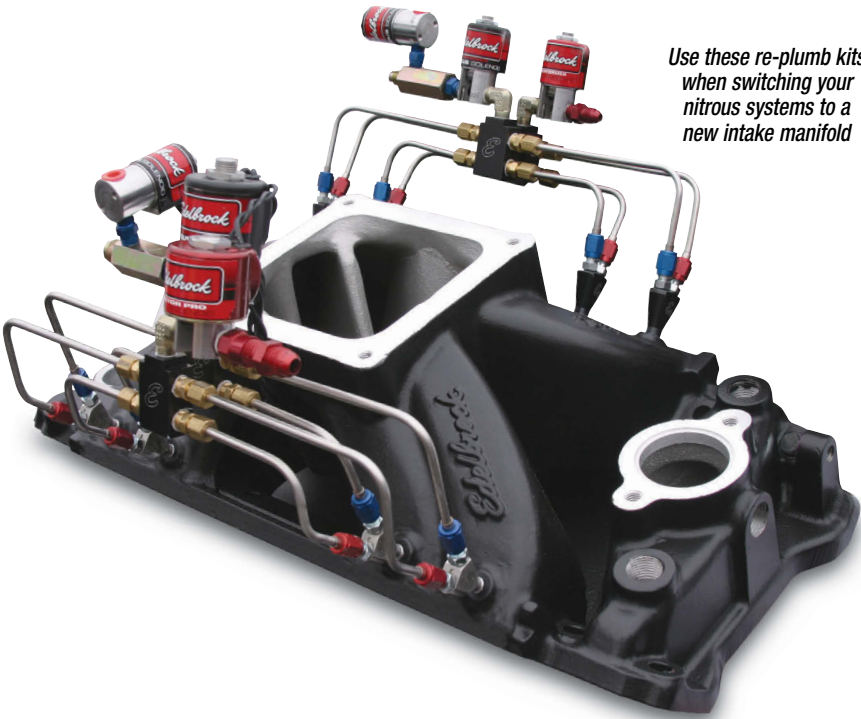
DIRECT PORT V8 RE-PLUMB KIT	PART NUMBER
Direct Port Re-Plumb Kit	71880



DIRECT PORT 4-CYLINDER RE-PLUMB KIT

This kit is intended for racers who have a Victor Direct Port Kit, and want to transfer it to a different intake manifold. This kit provides everything needed without the hassle of having to buy each component individually.

DIRECT PORT 4-CYLINDER RE-PLUMB KIT	PART NUMBER
Direct Port Re-Plumb Kit	71881

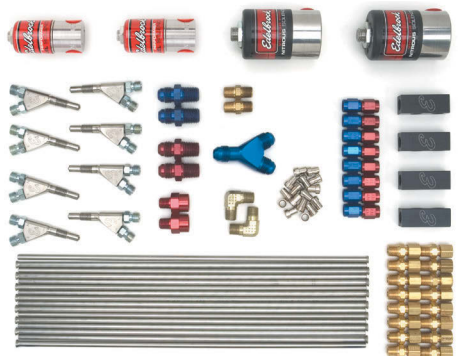


Use these re-plumb kits when switching your nitrous systems to a new intake manifold

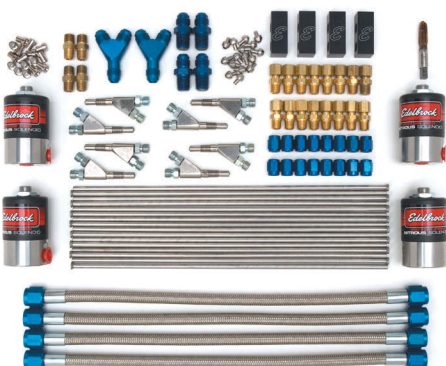
DIRECT PORT NITROUS KITS



Super Victor Kit #71852 with E3 titanium nozzles



Super Victor Kit #71848



2 Stage Super Victor EFI Direct Port Plumb Kit #71813



Custom Manifold V8 Plumb Kit #71851 with E2 nozzles

SUPER VICTOR DIRECT PORT NITROUS KIT

100-500+ Added Horsepower

Our most sophisticated nitrous system allows you to tune each individual cylinder for superior performance! Utilizing your choice of either Edelbrock E1, Edelbrock/Glidden E2 stainless steel, or E3 "Straight-Shot" titanium nitrous nozzles, this is a direct port kit designed for serious competition with power increases of 200-500+ hp (V8 kits). They include Victor Pro Bottom Exit nitrous solenoids and Victor Pro fuel solenoids for improved flow characteristics. Match with an Edelbrock Bottle Kit for maximum race-level performance with the bottle/bracket combination you want. V8 kits include 56 stainless steel jets, 8 each of 7 sizes. Four cylinder kits include 28 jets, 4 each of 7 sizes.

SUPER VICTOR DIRECT PORT NITROUS KITS	E1 NOZZLE	E2 NOZZLE	E3 NOZZLE
Super Victor V8 Direct Port (200-300-400-500+ HP)	71831	71850	71852
Super Victor 4-cyl. Direct Port (100-150-200-250+ HP)	71836	71835	-

SUPER VICTOR DIRECT PORT NITROUS KIT

supplied with no jets for custom applications

Utilizing E3 "Straight-Shot" titanium nitrous nozzles, this is a direct port kit designed for racers who want a custom system utilizing their own jet map for horsepower increases up to 500 or more. It includes two Victor Pro nitrous solenoids and two Performer fuel solenoids. Match with an Edelbrock Bottle Kit for maximum race-level performance with the bottle/bracket combination you want. Jets not supplied, consult your nitrous expert for recommendations.

SUPER VICTOR DIRECT PORT NITROUS KIT	PART NUMBER
Super Victor V8 Direct Port	71848

SUPER VICTOR EFI DIRECT PORT PLUMB KITS

100-1,000 Added HP

The Super Victor EFI Single Stage and 2 Stage Direct Port Plumb Kits are designed for use on modified V-8 engines. Both systems include our Victor Pro Nitrous Solenoids, stainless steel lines, stainless steel jets and most hardware to complete the installation. The Super Victor Single Stage EFI kit #71810 features our unique stainless steel 90° Dry Nozzles, and EFI Plumb Kit #71813 features our patented E3 titanium nozzles for two stages of nitrous injection. Both of these kits rely on the ECM for fuel enrichment via the fuel injectors. Super Victor Single Stage EFI kit #71810 is capable of supplying an additional 100-500+HP, and 2 Stage Direct Port Plumb Kit #71813 is capable of 100 to 1,000+ HP. Both kits are supplied with jetting for 250HP and 300HP so any jetting over 300HP must be purchased separately. **To form a complete system, match with an Edelbrock Bottle Kit (page 18) and Relay Assembly #72270 (page 22).**

SUPER VICTOR EFI DIRECT PORT PLUMB KITS	PART NUMBER
Super Victor EFI Direct Port Plumb Kit V8 (250 & 300 HP)	71810
2 Stage Super Victor EFI Direct Port Plumb Kit V8 (250 & 300 HP)	71813

CUSTOM MANIFOLD PLUMB KITS

200-500 Added HP (300 supplied)

Developed with racers in mind, this kit contains the very basics for a direct port nitrous system installation on an existing manifold. This kit is for racers who already have their wiring done, or who want to configure their wiring to custom specifications. This helps keep the cost down while still giving you all of the outstanding features of an Edelbrock Direct Port Nitrous Kit with either our stainless steel E2 nozzles or our unique E3 titanium "Straight-Shot" nozzles. Direct Port Kit #71854 features the M3 nozzles for use on 1,000+ horsepower engine applications. **To form a complete system, match with an Edelbrock Bottle Kit (page 18) and Relay Assembly #72270 (page 22).**

CUSTOM MANIFOLD PLUMB KITS	E2 NOZZLE	E3 NOZZLE	M3 NOZZLE
Custom Manifold V8 Plumb Kit (300 HP)	71851	71853	71854

NITROUS ACCESSORIES

MATCHING PARTS FOR EDELBROCK NITROUS KITS

Although our nitrous systems are among the most complete systems available, the accessories play a crucial role. In this section, you'll find replacement and rebuild parts for solenoids, bottles and nozzles. In addition to replacement parts, this section also includes accessories for those looking to enhance their existing system with helpful features like gauges, or performance enhancing features like controllers and switches.

TUNER JET KITS

Our CNC-machined stainless steel jets are available in Tuner Kits packaged in indexed, heavy-duty plastic cases. They include a variety of Edelbrock jets to fine tune your nitrous system for maximum performance.

TUNER JET KITS	PART NUMBER
Master Kit - 328 jets, 8 each of 41 sizes (.018" to .120")	73003
Race Kit - 216 jets, 8 each of 27 sizes (.028" to .120")	73004
Street Kit - 80 jets, 4 each of 20 sizes (.014" to .059")	73005

SUPER VICTOR DIRECT PORT JET PACK

This kit was developed for the Super Victor Direct Port Nitrous System and includes 56 jets, 8 each of .020", .024", .028", .032", .036", .040", and .044". Edelbrock CNC-machined stainless steel jets won't erode like brass jets and maintain precise dimensions for accurate and safe hp gains. Use this kit to fine tune your nitrous system for maximum performance. Will also work with most other brands of nitrous systems (except NX).

SUPER VICTOR DIRECT PORT JET PACK	PART NUMBER
Super Victor Direct Port Jet Pack	73012

REPLACEMENT JET KITS

Replacement Jet Kits contain all of the jet originally supplies with Edelbrock Plate Nitrous Kits.

REPLACEMENT JET KITS	PART NUMBER
for Performer square-bore (3 steps - .038, .046, .057)	73001
for Performer RPM square-bore (5 steps - .057, .068, .078, .085, .099)	73002
for Performer RPM spread-bore (3 steps - .059, .071, .081)	73010
for Performer RPM 4500 Series square-bore 4 steps - .057, .071, .085, .104)	73011

TAPER FACE JETS

A full range of Edelbrock nitrous oxide and fuel taper face jets are available in virtually any size for your power and tuning requirements. Jets are available individually or in packs of 8. To order individually packed jets, add the jet size desired to #73. (Example: #73014 is a .014" jet).

TAPER FACE JETS	PART NUMBER
Individual Taper Face Jets (undrilled blank)	73013
Individual Taper Face Jets (last 3 digits indicate size, .014" thru .120")	73014 thru 73120
Packs of 8 Taper Face Jets (last 2 digits indicate size, .018" thru .048")	73218 thru 73248

INDIVIDUAL FUNNEL JETS

Designed for use with 1/8" tubing, Edelbrock funnel jets are available for small nitrous systems such as those used on motorcycles, snowmobiles, etc. These stainless steel jets won't erode like brass jets and maintain precise dimensions for accurate and safe horsepower gains. May be used with other manufacturer systems designed for 1/8" funnel jets. Jets are available individually. To order jets, add the jet size desired to #74. (Example: #74011 is an .011" jet).

INDIVIDUAL FUNNEL JETS	PART NUMBER
Funnel Jets (undrilled blank)	74000
Last 3 digits indicate size, .009" thru .050"	74009 thru 74050

Tuner Jet Kit #73003

Super Victor Direct Port Jet Pack #73012

Replacement Jet Kit #73001

Precision CNC-machined stainless steel jets won't erode like brass jets

Funnel Jet #74000

Important Note: About Amp Draw

All ratings (listed to the right) are under a load condition (for example: 950 psi nitrous and a minimum of 6 psi fuel pressure). Please note that other manufacturers may list amp draw under a "no load" condition which is not realistic.



EDELBROCK SOLENOIDS

Designed for Edelbrock nitrous systems, these stainless steel solenoids have a very low amp draw. They feature a stainless steel base for corrosion resistance and tighter tolerances, a low current-consumption coil, a Teflon® plunger for reliability and longevity, and a powder coated coil cover for durability and appearance. The **Victor Pro nitrous solenoid** features a bottom outlet design that restricts flow much less than a standard design. A .115" internal metering orifice makes this our **highest flowing nitrous solenoid**. The **Victor Pro fuel solenoid** features a shorter body with a smaller diameter stainless steel base for use where space is limited.

NITROUS SOLENOIDS

Amp Draw: 9.2 amps @ 12.6 volts and 11 amps @13.8 volts

PART NUMBER

Performer Nitrous Solenoid - up to 150 HP with 1/8" NPT inlet and outlet	72000
Performer RPM Nitrous Solenoid - 400+ HP with 1/4" NPT inlet & 1/8" NPT outlet	72001
Victor Pro "Bottom Exit" Nitrous Solenoid - 500+ HP with 1/4" NPT inlet & 1/8" NPT outlet	72002

FUEL SOLENOIDS

Amp Draw: 1.29 amps @ 12.6 volts and 1.5 amps @13.8 volts

PART NUMBER

Performer Fuel Solenoid - up to 175 HP at 6 PSI with 1/8" NPT inlet and outlet	72050
Performer RPM Fuel Solenoid - 400+ HP at 6 PSI with 1/4" NPT inlet and 1/8" NPT outlet	72051
Victor Pro "Small Base" Fuel Solenoid - 500+ HP at 6 PSI with 1/8" NPT inlet and outlet	72052

Power Ratings with 950 psi Bottle Pressure

72000	Up to 150 HP
72001	Up to 300 HP
72002	Up to 500 HP

Power Ratings with 6 psi Fuel Pressure

72050	Up to 200 HP
72051	Up to 400 HP
72052	Up to 500 HP

SOLENOID REBUILD KITS AND COILS

Rebuild Kits include Teflon® plunger, O-ring, plunger spring, and stem wrench. Replacement coils sold separately.

SOLENOID DESCRIPTION	REBUILD KITS	REPLACEMENT COILS
Performer Nitrous Solenoid	72200	72204
Performer RPM Nitrous Solenoid	72219	72205
Victor Pro Nitrous Solenoid	72219	72217
Performer Fuel Solenoid	72201	72206
Performer RPM Fuel Solenoid	72203	72207
Victor Pro Fuel Solenoid	72218	72216

BOLT-ON SOLENOID BRACKETS

Billet aluminum, CNC-machined plate mounts four- and two-solenoid applications. Two-Solenoid kits can be used with Performer and Performer RPM systems for a professional-looking installation. Match the four-solenoid brackets with our Performer RPM Dual-Stage, or Victor Jr. Plate System.

BOLT-ON SOLENOID BRACKETS	PART NUMBER
4-Solenoid Bracket for 4500 Series carbs	72286
4-Solenoid Bracket for square-flange carbs	72287
2-Solenoid Bracket for 4500 Series carbs	72288
2-Solenoid Bracket for square-flange carbs	72289
Solenoid Adapter (Required for Performer Solenoids when used with the above brackets)	72294



Four-Solenoid Bracket
#72286 for 4500 carbs



Two-Solenoid
Bracket #72289 for
square-flange carbs

REPLACEMENT SOLENOID BRACKETS

REPLACEMENT SOLENOID BRACKETS	PART NUMBER
for Performer RPM Nitrous/Fuel/Alcohol and Victor Pro Nitrous Solenoids	72275
for Performer Fuel and Nitrous Solenoids	72276
for Victor Pro Fuel Solenoids	72278

NITROUS ACCESSORIES

PATENTED

Fuel exits here and hits Nitrous for total atomization



E1 Nozzle #72550

Nitrous exits here

E1 SERIES NOZZLES

Used in all Performer EFI "wet" nitrous systems, the patented Edelbrock E1 nozzle is one of the most advanced in the industry. With its unique fuel passage design, this nozzle gives extremely high atomization and is the key to the outstanding performance. Machined from light-weight aluminum and anodized black for durability, the E1 nozzle allows the use of up to 60 lbs. of fuel pressure for a more complete combustion process in the chamber that results in more horsepower. Specially designed fuel outlets enhance atomization, even at lower fuel pressures. Multiple radiuses are used at the nitrous outlet to give the least amount of turbulence and a more precise nitrous spray. The unique fuel delivery angle ensures a complete mixing of nitrous and fuel for optimum atomization. Edelbrock E1 nozzles are a direct bolt-on upgrade for other brands that use a 90° 1/8" NPT design.

E1 SERIES NOZZLES	SINGLE	8-PACK
E1 Series Nozzles (1/8" NPT)	72550	72560

PATENTED

Precision CNC-machined stainless steel construction for maximum performance and reliability

Fuel is pre-atomized before mixing with nitrous for complete combustion and safer power levels



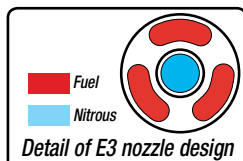
E2 Nozzle #72552

Nitrous exits here

E2 SERIES NOZZLES

Designed with noted drag racer Billy Glidden, stainless steel Edelbrock/Glidden E2 Nitrous Nozzles are used in Victor and Super Victor Direct Port nitrous kits and are capable of as much as 500+ horsepower gains in V8 engines using a single-stage direct-port injection system. This exclusive, patented Edelbrock/Glidden design precisely atomizes the nitrous and fuel mixture for consistent and accurate power gains with 5 to 20 lbs. of fuel pressure. **Replace your outdated nozzles** with E2 nozzles, they're a direct bolt-on upgrade for other brands that use a 90° 1/16" NPT design.

E2 SERIES NOZZLES	SINGLE	8-PACK
E2 Series Nozzles (1/16" NPT)	72552	72562



Fuel
Nitrous

Detail of E3 nozzle design

E3 Nozzle #72553



E3 SERIES TITANIUM NOZZLES

The **Titanium Direct Port Nozzles**, otherwise known as the "E3", are the latest design for all out competition, producing the highest power output of any nozzle currently available. The "Straight-Shot" configuration and unique tip design produce excellent fuel atomization, and exclusive titanium construction makes this the lightest, strongest, and simply the best nozzle available. 1/16" NPT threads make this an easy upgrade for existing nitrous systems. Competitively priced, individual or 8-pack nozzles are available now!

E3 SERIES TITANIUM NOZZLES	SINGLE	8-PACK
E3 Titanium Nozzles (1/16" NPT)	72553	72563

M3 DUAL-STAGE DRY NITROUS NOZZLE

Designed and developed in conjunction with 8 time Pro Street champion Pat Musi. The M3 Dual-Stage Dry Nitrous Nozzle is the latest in direct port nitrous technology for use in 1,000+ horsepower multi-stage nitrous drag racing applications. This nozzle produces maximum flow, uniform dispersion and helps induce a liquid nitrous to gaseous phase change in the combustion chamber, which is desired with direct port nitrous injection. Exclusive titanium construction makes this the strongest and simply best nozzle available for this application. 1/16" NPT threads make this an easy upgrade for existing nitrous systems.

M3 DUAL-STAGE DRY SERIES	SINGLE	8-PACK
M3 Titanium Nozzles (1/16" NPT)	72557	72567

M3 Nozzle #72557



DRY EFI NOZZLES

Used in all Performer EFI "dry" nitrous systems, the Edelbrock dry nitrous nozzle is one of the most advanced in the industry. The unique nitrous passage design gives extremely high atomization and is the key to the outstanding performance. Specially designed nitrous outlet enhances atomization.

DRY EFI NOZZLES	PART NUMBER
Aluminum EFI 90° Nozzle (1/16" NPT)	72551
Stainless Steel EFI 90° Nozzle (1/16" NPT)	72566

Nitrous exits here

Dry Nitrous Nozzle #72551

NITROUS ACCESSORIES



Nozzle Bungs #72555



1/16" NPT Nitrous Nozzle Pipe Tap #76549



#76578

#76574



Billet Distribution Block #76538



Billet Fitting #76535



Edelbrock Flow Test Tool #76506 includes an assortment of easy-to-change calibration jets

NOZZLE INSTALLATION BUNGS

These aluminum bungs allow installation of Edelbrock nozzles in the intake tract of thin walled sheetmetal manifolds. Requires welding, drilling and tapping for installation.

NOZZLE INSTALLATION BUNGS (4-per pack)	PART NUMBER
Nozzle Installation Bungs	72555

NITROUS NOZZLE PIPE TAPS

Use these NPT taps to cut threads for custom installation of Edelbrock nitrous nozzles. Use Pipe Tap #76549 for Edelbrock E2, E3, and dry nozzles, #76559 is designed for E1 nozzles.

NITROUS NOZZLE PIPE TAPS	PART NUMBER
1/16" NPT Pipe Tap (for E2, E3, M3 and dry nozzles)	76549
1/8" NPT Pipe Tap (for E1 nozzles)	76559

BILLET DISTRIBUTION BLOCKS

Use these high-quality distribution blocks to build a custom nitrous system. Machined from billet aluminum and anodized, they deliver even distribution and optimum flow. Inlets/outlets are 1/8" NPT.

BILLET DISTRIBUTION BLOCKS	PART NUMBER
One-in, four-out Distribution Block (black)	76574
One-in, four-out Distribution Block (blue, -6 for nitrous or fuel lines)	76538
One-in, eight-out Distribution Block (black)	76578
One-in, six-out Distribution Block (black)	76576

BILLET DISTRIBUTION FITTING

Fittings provide a clean compact plumbing assembly when positioned in the intake manifold valley.

BILLET DISTRIBUTION FITTING	PART NUMBER
Billet Distribution Fitting	76535

3/16" TUBE BENDING TOOL

Makes installation of those tough-to-bend direct port nitrous lines a breeze. Get a professional looking installation every time. Can also be used on other 3/16" hard lines.

3/16" TUBE BENDING TOOL	PART NUMBER
Tube Bending Tool	76503

Use the Edelbrock Tube Bending Tool for a professional looking installation



EDELBROCK FLOW TEST TOOL

The only way to ensure that you have adequate fuel pressure for your nitrous system is to measure the "flowing pressure" using a flow test tool like our #76506. This tool features an easy-to-read fuel pressure gauge, a variety of jets to set the correct flow restriction, and easy attachment to your existing fuel line.

EDELBROCK FLOW TEST TOOL	PART NUMBER
Edelbrock Flow Test Tool	76506

BOTTLES & BOTTLE KITS



#72401 #72470



Nitrous Bottle Kit #72305



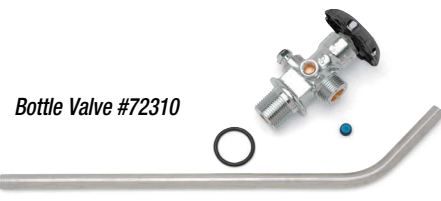
Nitrous Bottle Kit #72332



Billet Handwheel #72352
10-lb. Bottle with Racer Safety Adapter and Liquid-filled Gauge #72311



Replacement Pressure Relief Disk #72410



Bottle Valve #72310

ALUMINUM NITROUS BOTTLES

Edelbrock nitrous bottles are made of aluminum alloy, are D.O.T. approved and include an Edelbrock high-flow CGA approved valve with a built-in siphon tube (unless noted otherwise) for consistent performance. In eight sizes to suit any application, Edelbrock bottles are polished to a high luster. They include a pressure venting system to prevent pressure increases beyond the safety level. **Note: All bottles are shipped empty.**

BOTTLE CAPACITY	GAUGE INCLUDED	DIMENSIONS (length x diameter)	SILVER POWDER COATED	POLISHED ALUMINUM
12-oz. unsiphoned	No	13-1/8" x 2-3/8"	N/A	72470
1.3-lb.	No	12" x 3-1/4"	72463	N/A
2-lb. unsiphoned	No	11-1/4" x 4-3/8"	72360	N/A
2-1/2 lb.	No	12-5/8" x 4-3/8"	72302	N/A
5-lb.	No	17-5/8" x 5-1/4"	72304	N/A
10-lb.	No	20" x 6-7/8"	72300	72400
10-lb.	Yes	20" x 6-7/8"	72301	72401
15-lb.	No	26-3/4" x 6-7/8"	72316	N/A
20-lb.	No	26-3/4" x 8"	72318	N/A

BOTTLE KITS

These Nitrous Bottle Kits include an Edelbrock aluminum bottle along with standard, quick-release or polished billet aluminum bottle brackets, plus a 14-foot 6AN supply line and bottle adapter. Match one of these kits with a Direct Port Nitrous Kit (page 11-13) for a complete system. Go to page 19 for bottle bracket photos and complete descriptions.

SILVER POWDER-COATED NITROUS BOTTLE KITS	10-LB. BOTTLE	15-LB. BOTTLE
With red powder coated hinged steel brackets	72305	72309
With quick-release brackets	-	72332
With polished billet aluminum brackets	72321	-
POLISHED NITROUS BOTTLE KITS	10-LB. BOTTLE	15-LB. BOTTLE
With red powder coated hinged steel brackets	72306	72307
With quick-release brackets	-	72336
With polished billet aluminum brackets	72323	-

BOTTLES WITH RACER SAFETY ADAPTER AND GAUGE

These nitrous bottles come with the Racer Safety Blow-Off Adapter and a liquid-filled nitrous pressure gauge pre-installed. This is a popular item for the racing community since many associations require the use of a Racer Safety Adapter if the bottle is installed in the passenger compartment.

BOTTLES WITH RACER SAFETY ADAPTER AND GAUGE	PART NUMBER
10-lb. Silver Powder Coated Bottle with Racer Safety Adapter & Liquid-filled Gauge	72311
15-lb. Silver Powder Coated Bottle with Racer Safety Adapter & Liquid-filled Gauge	72315

REPLACEMENT BILLET HANDWHEEL

This replacement handwheel fits our 5-lb., 10-lb., 15-lb., 20-lb., and carbon fiber nitrous bottle valves.

REPLACEMENT BILLET HANDWHEEL	PART NUMBER
Billet Handwheel	72352

REPLACEMENT PRESSURE RELIEF DISKS

These Pressure Relief Disks include Safety Blow Off Adapters.

REPLACEMENT PRESSURE RELIEF DISKS	PART NUMBER
for 12-oz./2-lb./2.5-lb. Bottles	72410
for 10-lb./12.5-lb./15-lb./20-lb. Bottles	72900

REPLACEMENT BOTTLE VALVE

Replacement high-flow valve and heavy-duty siphon tube for Edelbrock nitrous bottles.

REPLACEMENT BOTTLE VALVE	PART NUMBER
Standard 12-oz. Bottle Valve	72312
Standard 10-lb. Bottle Valve with Siphon Tube	72310
Standard 15-lb. Bottle Valve with Siphon Tube	72314

BOTTLES & BOTTLE KITS

NITROUS BOTTLE BRACKETS

BOTTLE SIZE	RED HINGED STEEL	GRAY HINGED STEEL	QUICK RELEASE	BILLET ALUMINUM (POLISHED)	ROLL-CAGE MOUNT (FOR BILLET BRACKETS ONLY)
					1-3/4" 1-5/8"
12-oz. (2-5/16" dia)	—	—	—	72665	—
2-lb. (4-3/8" dia)	—	—	—	72664	72614 72615
2.5-lb. (4-3/8" dia)	—	—	—	72664	72614 72615
5-lb. (3-1/4" dia)	72609	—	—	—	—
10-lb. (7" dia)	72600	76204	72608	72603	72614 72615
12.5-lb. (6-5/8" dia) carbon fiber	—	—	—	—	72614 72615
15-lb. (7" dia)	72600	76204	—	72603	72614 72615
20-lb. (8" dia)	72319	—	—	—	—



HINGED STEEL BRACKETS

Powder coated and made of steel, these hinged brackets are designed for use with Edelbrock or other brands of 10- and 15-lb., 7" diameter aluminum bottles. Includes rubber isolators to protect the finish.

HINGED STEEL BRACKETS	PART NUMBER
Red Hinged Steel Brackets (for 5-lb. aluminum bottles)	72609
Red Hinged Steel Brackets (for 20-lb. aluminum bottles)	72319
Red Hinged Steel Brackets (for 10-lb. and 15-lb. aluminum bottles)	72600
Gunmetal Gray Hinged Steel Brackets (for 10-lb. and 15-lb. aluminum bottles)	76204



QUICK RELEASE BRACKETS

Made from CNC-machined aluminum, these Edelbrock Quick Release Brackets are black powder coated for a unique high-tech look. Convenient thumb screw allows for quick bottle changes.

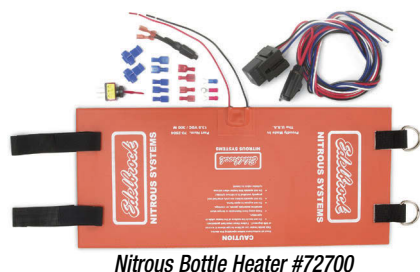
QUICK RELEASE BRACKETS	PART NUMBER
Quick Release Brackets (for 10-lb. aluminum bottles)	72608
Quick Release Steel Brackets (for 15-lb. aluminum bottles)	72605
Quick Release Steel Brackets (for 12.5-lb. carbon fiber bottles)	72621



POLISHED BILLET ALUMINUM BRACKETS

These great looking brackets are hinged for easy installation and removal. **Roll Cage Mount Adapters** are made of polished billet aluminum to match our billet bottle brackets. They work with brackets #72603, and #72664 to mount your bottle on your roll cage or chassis tubing.

POLISHED BILLET ALUMINUM BRACKETS	PART NUMBER
Polished Billet Brackets (for 10-lb. and 15-lb. aluminum bottles)	72603
Polished Billet Brackets (for 5-lb. aluminum bottles)	72607
Polished Billet Brackets (for 2-lb and 2.5-lb. aluminum bottles)	72664
Polished Billet Brackets (for 12-oz. bottles)	72665
1-3/4" Roll Cage Mount Adapter	72614
1-5/8" Roll Cage Mount Adapter	72615



NITROUS BOTTLE HEATERS

Consistent bottle pressure (900-950 psi) is an important element for proper operation of your nitrous system. The Edelbrock Nitrous Bottle Heater thermostatically raises the pressure when necessary by applying heat to the bottle. Comes with all necessary hardware and includes velcro straps for quick and easy bottle removal. **Note: Not for use on carbon fiber bottles.**

NITROUS BOTTLE HEATERS	PART NUMBER
Bottle Heater - 12 volt (for 10-lb. and 15-lb. bottles)	72700
Bottle Heater Thermostat- 12 volt (for 10-lb. and 15-lb. bottles)	72702

BOTTLES & BOTTLE KITS



Bottle
Blanket
#72705

NITROUS BOTTLE BLANKET

This 1680 Denier nylon blanket helps to maintain consistent bottle pressure by keeping heat in the bottle when it's cold, and by protecting the bottle from direct sunlight and the possibility of over-pressurization.

NITROUS BOTTLE BLANKET	PART NUMBER
Bottle Blanket (for 10-lb. bottles)	72705



Remote Electric
Arming Valve Kit
#72950

REMOTE ELECTRIC ARMING VALVE KIT

Allows you to open and close the bottle valve with the flip of a switch from inside the driver's compartment.

REMOTE ELECTRIC ARMING VALVE KIT	PART NUMBER
Remote Electric Arming Valve Kit	72950

1/4-TURN BALL VALVE KIT

Our 1/4-Turn Ball Valve Kit is designed as an emergency shut off to isolate the nitrous in the bottle from the engine compartment in case of an emergency. The valve is typically installed in the driver's compartment within reach of the driver. If an accident or fire occurs, the driver or emergency personnel need only turn the handle 1/4 of a turn to shut off nitrous flow to the solenoids.

1/4-TURN BALL VALVE KIT	PART NUMBER
1/4-Turn Ball Valve Kit (.375 orifice, rated to 2,000 psi)	72952



1/4-Turn Ball
Valve Kit #72952

BOTTLE NUT COMBO WRENCH

This is one handy item to keep with your bottle. Compatible with all nitrous brands, fits in your glove box, under your seat, or even in your pocket. This wrench features 3AN, 4AN, 6AN, and 1-1/4" bottle nut wrenches all in one package. Black anodized aluminum and laser etched for a sharp, clean look!

BOTTLE NUT COMBO WRENCH	PART NUMBER
Bottle Nut Combo Wrench	76504



Bottle Nut Combo Wrench #76504

PURGE VALVE KITS

Keeps the supply of fresh liquid nitrous at the solenoid(s) for instant and repeatable nitrous injection. This purge kit bleeds accumulated nitrous vapor from the supply lines. Includes solenoid, activation switch, filter, aircraft-quality fittings and wiring.

PURGE VALVE KITS	PART NUMBER
4AN Purge Valve Kit	72176
6AN Purge Valve Kit	72178



6AN Purge Valve Kit #72178

BOTTLE NUT AND WASHER

These kits contain a replacement -6AN or -4AN bottle nut and Teflon® washer to seal the bottle nut to the bottle valve.

BOTTLE NUT & WASHER	PART NUMBER
4AN Bottle nut and Teflon® washer	76507
6AN Bottle nut and Teflon® washer	76505
Teflon® washer for 4AN & 6AN bottle nuts	77580



Bottle and
Washer #76505

NITROUS BLOW-DOWN TUBE, RACER SAFETY BLOW-OFF ADAPTER & SAFETY VALVE

CNC-machined Racer Safety Blow-Off Adapter replaces the standard safety valve to allow for the use of a hard line blow-down tube like the Edelbrock Nitrous Blow-Down Tube. At 22" long, our blow-down tube is longer than most competitors' tubes for easier installation. #72901 is a direct replacement for the safety valves that come with all Edelbrock nitrous bottles (5-lb. and larger). A blow-down tube is an essential safety feature for hatchbacks or cars with the bottle mounted in the passenger compartment. The blow-down tube will safely vent the nitrous outside the car should the safety blow.

NITROUS BLOW-DOWN TUBE, RACER SAFETY BLOW-OFF ADAPTER AND SAFETY VALVE	PART NUMBER
Nitrous Blow-Down Tube (22" long)	72960
Racer Safety Blow-Off Adapter (for use with Blow-Down Tube)	72961
Standard Replacement Safety Valve	72901



Racer Safety Blow-Off
Adapter #72961

Nitrous Blow-Down
Tube #72960

NITROUS GAUGES

NITROUS AND FUEL PRESSURE GAUGES

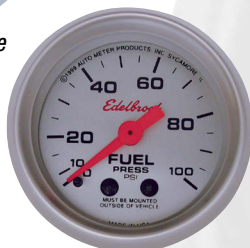
Pressure gauges are an important element in getting maximum performance and consistency from your nitrous system. The 1-1/2" nitrous gauges may be fitted onto a nitrous bottle or just in front of the nitrous solenoid. Braided stainless steel lines are required for all remote mounted nitrous gauges, see page 25 for more info. 2-5/8" gauges are illuminated and come with adapter fittings. **Liquid-filled gauges offer additional vibration dampening for durability and long-term accuracy. They are the best choice for competition or severe duty applications.**



2-5/8" Fuel Pressure Gauge #73827



2-5/8" Nitrous Pressure Gauge #73802



2-5/8" Fuel Pressure Gauge #73829



2-5/8" Liquid-Filled Fuel Pressure Gauge #73828



2-5/8" Liquid-Filled Fuel Pressure Gauge #73830



1-1/2" Nitrous Pressure Gauge #73800



1-1/2" Fuel Pressure Gauge #73831



1-1/2" Fuel Pressure Gauge #73825



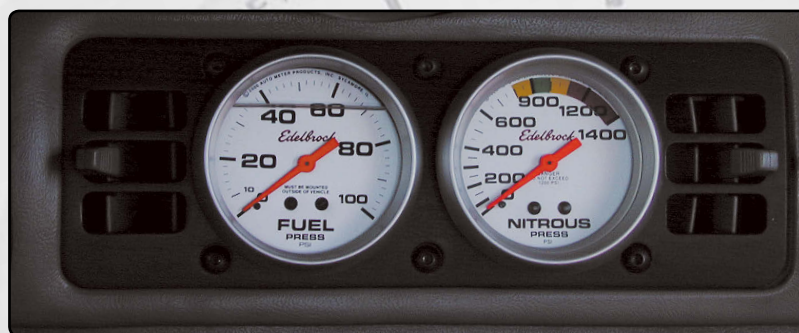
1-1/2" Liquid-Filled Nitrous Pressure Gauge #73801



1-1/2" Liquid-Filled Fuel Pressure Gauge #73832



1-1/2" Liquid-Filled Fuel Pressure Gauge #73826



NITROUS PRESSURE GAUGES, 0-1400 psi

PART NUMBER

1-1/2" Standard Gauge	73800
1-1/2" Liquid-Filled Gauge	73801
2-5/8" Standard Gauge	73802

FUEL PRESSURE GAUGES, 0-100 psi

PART NUMBER

1-1/2" Standard Gauge	73825
1-1/2" Liquid-Filled Gauge	73826
2-5/8" Standard Gauge	73829
2-5/8" Liquid-Filled Gauge	73830

FUEL PRESSURE GAUGES, 0-15 psi

PART NUMBER

1-1/2" Standard Gauge	73831
1-1/2" Liquid-Filled Gauge	73832
2-5/8" Standard Gauge	73827
2-5/8" Liquid-Filled Gauge	73828

ELECTRICAL ACCESSORIES



Progressive
Nitrous Controller #71900

EDELBROCK ACCESSORIES FOR THE RACE TRACK

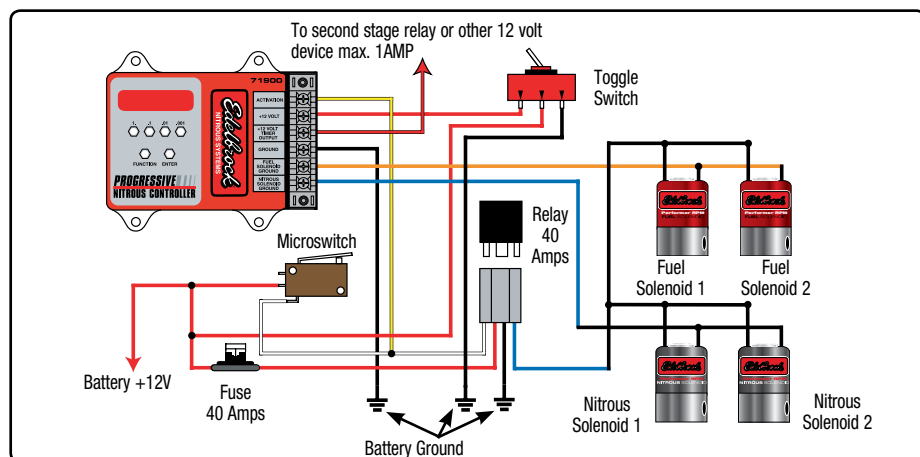
Progressive Nitrous Controller

The Edelbrock Nitrous Controller offers complete control over your nitrous system in a powerful yet compact package. The system utilizes pulse width modulation to regulate the amount of Nitrous being delivered over a specified period of time by the nitrous and fuel solenoids. The digital display is easy to read and extremely precise, while the touch switch programming is exceptionally user-friendly. You have the ability to select and individually program the nitrous parameters that you need in order to optimize traction, control your chassis and ramp up your nitrous system safely. The end result leads to quicker ETs and lessens the risk of engine and chassis abuse. The compact controller is also great for automotive and motorcycle applications.

- Integrated battery voltage monitor
- +12-volt timer output for auxiliary output such as ignition retard or additional nitrous stages
- Single or dual ramp feature adjustable from 0 to 9.999 seconds
- Non-volatile data memory retains your settings
- Complete with wiring harness and manual
- Epoxy potted for durability
- 70 amp drivers for both fuel and nitrous outputs

PROGRESSIVE NITROUS CONTROLLER	PART NUMBER
Progressive Nitrous Controller	71900

Time Delay
Relay
#71907

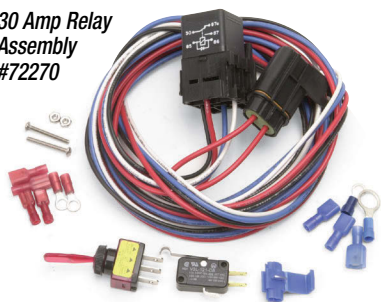


Digital Delay Timer

The Digital Delay Timer is used to activate a second or third stage of nitrous at adjustable pre-set intervals. Timer activation begins when the unit receives a 12V trigger signal, such as transbrake release, and is adjustable in increments of 1/10th of a second or less.

DIGITAL DELAY TIMER	PART NUMBER
Digital Delay Timer	71907

30 Amp Relay
Assembly
#72270



TRACK TESTED, STREET SMART EDELBROCK ACCESSORIES

Relay Assembly

Use the Edelbrock Relay Assembly as a replacement harness if you are transferring a nitrous system into a different vehicle or with many other devices which require a wide open throttle activation.

RELAY ASSEMBLY	PART NUMBER
30 Amp Relay Assembly (includes switches, relay, wiring and connectors)	72270

Nitrous Power Panel for 1987-97 Mustangs

Perfect for street or strip, this brushed aluminum power panel hides in the ashtray of your Mustang. It contains the highest quality switches available, plus high-temp TXL wire for maximum durability and performance. Fully fused and insulated.

NITROUS POWER PANEL FOR 1987-97 MUSTANGS	PART NUMBER
Nitrous Power Panel (for 1987-97 Mustangs)	72283



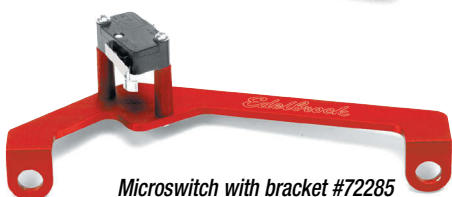
Nitrous Power
Panel #72283

ELECTRICAL ACCESSORIES



Microswitch with universal bracket #72279

Microswitch with bracket #72281 for Holley 4500 series carbs



Microswitch with bracket #72285 for Barry Grant King Demon carbs



Pressure Deactivation Switch #72209



Fuel Pressure Safety Switch #72211



Covered Toggle Switch #72272

Lighted Toggle Switch #72271



Miniature Lighted Rocker Switch #72273

Push Button Switch #72274



Microswitch and Bracket Kits

Designed especially for Edelbrock, Barry Grant and Holley carburetors, these kits include a snap-action microswitch, mounting hardware and a CNC-machined, red anodized billet aluminum bracket. #72279 comes with a bendable universal bracket for easy installation.

MICROSWITCH AND BRACKET KITS	PART NUMBER
Microswitch with Universal Bracket	72279
For Edelbrock Performer and Thunder Series AVS carburetors	72280
For Holley 4500 Series carburetors	72281
For Holley standard-flange carburetors without choke (will not fit H.P. series)	72282
For Barry Grant Race Demon carburetors	72284
For Barry Grant King Demon carburetors	72285
Holley HP Series Bracket Kit	72277



Microswitch with Aluminum Billet Bracket #72280 for Edelbrock Performer and Thunder Series AVS carburetors

Pressure Deactivation Switch

This Pressure Deactivation Switch is adjustable from 3 to 25 psi to disengage the nitrous system once the turbo has achieved the set boost pressure level. Factory pre-set at 7 psi, this switch is ideal for hard-core racing applications to prevent wheel spin and over-boost.

PRESSURE DEACTIVATION SWITCH	PART NUMBER
Pressure Deactivation Switch (adjustable from 3-25 psi)	72209

Fuel Pressure Safety Switches

Maintaining adequate fuel pressure is critical when it comes to nitrous. These fuel pressure safety switches can be used in conjunction with your nitrous systems to safeguard against inadequate fuel pressure.

FUEL PRESSURE SAFETY SWITCHES	PART NUMBER
5 psi switch	72210
7 psi switch	72211
15 psi switch	72212
30 psi switch	72213
50 psi switch	72214

Toggle Switches

These toggle switches can be used either with your nitrous system as a replacement component or upgrade, or they can be used as stand alone items to activate other accessories you might have!

TOGGLE SWITCHES	PART NUMBER
Lighted Toggle Switch	72271
Covered Toggle Switch	72272
Miniature Lighted Rocker Switch	72273

Push Button Switch

Momentary contact push button switch can be used as a purge button or in conjunction with a microswitch to activate the nitrous system.

PUSH BUTTON SWITCHES	PART NUMBER
Push Button Switch	72274

FITTINGS AND HOSES

Russell Adapter Fittings Feature:

- Precision machined to ensure precise thread engagement
- 37° AN flare sealing angle guarantees a positive seal at maximum operating pressures
- Aluminum fittings anodized for greater corrosion resistance



#670340



#76525



#76531



#76555



#76524



#76553



#76552



#76526



#76566



Russell Performance Products... An Edelbrock Company

ADAPTER FITTINGS

Manufactured by Russell, our wide variety of lightweight aluminum, stainless and brass adapter fittings allow for the connection of Russell nitrous hose ends to almost any component. Use the AN size that matches your hose and the NPT (National Pipe Thread) size that matches the component you are plumbing. Our filter fittings prevent debris from clogging nitrous or fuel jets and are designed to be used in-line with your nitrous system in place of standard fittings.

PURGE KIT/NITROUS GAUGE ADAPTERS	PART NUMBER
4 AN Purge/Nitrous Gauge Adapter, Indexable (Red/Blue)	670290
6 AN Purge/Nitrous Gauge Adapter, Indexable (Red/Blue)	670340
4 AN Purge/Nitrous Gauge Adapter (Brass)	76512
6 AN Purge/Nitrous Gauge Adapter (Brass)	76510
FLARE JET FITTINGS	PART NUMBER
3 AN - 1/8" NPT straight (Blue)	76520
3 AN - 1/8" NPT straight (Red)	76521
FLARE TO PIPE FITTINGS: 90°	PART NUMBER
3 AN x 1/8" NPT 90° (Blue)	76524
4 AN x 1/8" NPT 90° (Blue)	76534
FLARE TO PIPE FITTINGS: STRAIGHT	PART NUMBER
3 AN - 1/8" NPT (Blue)	76522
3 AN - 1/8" NPT (Red)	76523
3 AN - 5/16" -24 (Stainless)	76525
4 AN - 1/8" NPT (Blue)	76530
4 AN - 1/8" NPT (Red)	76531
4 AN - 1/4" NPT (Blue)	76532
6 AN - 1/4" NPT (Blue)	76540
6 AN - 1/4" NPT (Red)	76541
6 AN x 3/8" NPT (Blue)	76542
6 AN x 1/2" NPT (Blue)	76543
PIPE REDUCER BUSHINGS	PART NUMBER
1/8" NPT Female - 1/16" NPT Male (Brass)	76555
1/4" NPT Male - 1/8" NPT Female (Blue)	76567
1/4" NPT Female - 1/8" NPT Male (Red)	76568
MALE PIPE NIPPLE: 90°	PART NUMBER
1/8" NPT x 1/8" NPT 90° (Blue)	76551
1/8" NPT x 1/8" NPT 90° (Red)	76552
1/8" NPT x 1/8" NPT 90° (Steel)	76554
MALE PIPE NIPPLE: STRAIGHT	PART NUMBER
1/8" NPT x 1/8" NPT (Brass)	76553
1/4" NPT x 1/4" NPT (Blue)	76566
FLARE TO PIPE "T" FITTINGS	PART NUMBER
3 AN - 3 AN - 1/8" NPT (Red)	76526
4 AN - 4 AN - 1/8" NPT (Red)	76548
FLARE TO FLARE REDUCER UNION	PART NUMBER
3 AN - 4 AN (Blue)	76527
FLARE TO FLARE "T" FITTINGS	PART NUMBER
6 AN - 6 AN - 6 AN (Blue)	76545
FLARE TO FLARE "Y" FITTINGS	PART NUMBER
3AN - 3AN - 3AN (Red)	76519
4AN - 4AN - 4AN (Blue)	76536
4AN - 4AN - 4AN (Red)	76537
6AN - 6AN - 6AN (Blue)	76546
6AN - 6AN - 6AN (Red)	76547
8AN - 8AN - 8AN (Blue)	76570
8AN - 8AN - 8AN (Red)	76571
10AN - 10AN - 10AN (Red)	76573
1/8" NPT TO FLARE JET ADAPTER "Y" FITTINGS	PART NUMBER
1/8" NPT - Flare Jet (Blue)	76557
1/8" NPT - Flare Jet (Red)	76558
ALLEN PIPE PLUGS	PART NUMBER
1/8" NPT (Black)	76550
1/4" NPT (Red)	76565
HIGH PRESSURE NITROUS & FUEL FILTER FITTINGS: STRAIGHT	PART NUMBER
4AN x 1/8" NPT, nitrous (Blue)	76514
4AN x 1/4" NPT, nitrous (Blue)	76516
4AN x 1/8" NPT, fuel (Red)	76533
1/8" NPT x 1/8" NPT, nitrous (Blue)	76556
6AN x 1/4" NPT, nitrous (Blue)	76515
6AN x 1/4" NPT, fuel (Red)	76544



DIRECT PORT KIT FITTINGS

COMPRESSION FITTING	PART NUMBER
1/8" NPT - 3/16" Tube, includes Ferrule (Brass)	76560
TUBING	PART NUMBER
3/16" Stainless Steel Tube Bundle, 12" long, qty. 16 (Stainless)	76562
FERRULES	PART NUMBER
3/16" Tube Barrel Ferrule, qty. 4 (Brass)	76561
TUBE NUTS	PART NUMBER
3AN - 3/16" Tube (Red)	76528
3AN - 3/16" Tube (Blue)	76529
TUBE SLEEVES	PART NUMBER
3/16" Tube Sleeve, 2 per pkg. (Blue)	76563

FUEL FILTER ASSEMBLY

Comprised of a black anodized aluminum main body, washable and reusable mesh-style element, and o-ring seal. The 1/8" NPT female inlet/outlet is adaptable for AN or pipe thread.

FUEL FILTER ASSEMBLY	PART NUMBER
Fuel Filter Assembly	76513

STAINLESS STEEL HOSES FOR NITROUS SYSTEMS

Russell Nitrous system hose assemblies are constructed using Russell Power-Flex stainless steel braided hose. They feature a PTFE inner liner and 308 stainless steel outer braid for the ultimate in strength, corrosion resistance and appearance. The Russell hose ends feature precision crimp installation using a hydraulic crimping method that provides a leak-free connection. All hoses feature straight AN hose ends on both ends unless noted otherwise. Some hoses have 1/8" NPT male threads on one end to thread directly into solenoids with 1/8" NPT ports. Use hoses with blue fittings for nitrous, and red fittings for fuel.

-3 AN Nitrous/Fuel hoses

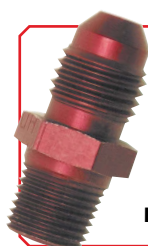
PART NO.	LENGTH/COLOR	DESCRIPTION
658000	8-1/2" Blue	Nitrous Line
658010	8-1/2" Red	Fuel Line
658020	8-1/2" Blue	-3 AN x 1/8" NPT
658030	8-1/2" Red	-3 AN x 1/8" NPT
658780	10" Red	Fuel Line
658040	12" Blue	Nitrous Line
658070	12" Red	Fuel Line
658050	12" Blue	-3 AN x 1/8 NPT
658060	12" Red	-3 AN x 1/8 NPT
658080	15" Blue	Nitrous Line
658090	15" Red	Fuel Line
658100	18" Blue	Nitrous Line
658110	18" Red	Fuel Line
658120	2-foot Blue	Nitrous Line
658150	2-foot Red	Fuel Line
658130	2-foot Blue	-3 AN x 1/8" NPT
658140	2-foot Red	-3 AN x 1/8" NPT
658160	3-foot Blue	Nitrous Line
658170	3-foot Red	Fuel Line
658180	4-foot Blue	Nitrous Line
658190	4-foot Red	90° to Straight

-4 AN Nitrous/Fuel hoses

PART NO.	LENGTH/COLOR	DESCRIPTION
658200	8-1/2" Blue	Nitrous Line
658210	8-1/2" Red	Fuel Line
658220	1-foot Blue	Nitrous Line
658230	1-foot Red	Fuel Line
658240	15" Red	90° to Straight
658250	18" Blue	Nitrous Line
658260	18" Red	Fuel Line
658270	2-foot Blue	Nitrous Line
658300	2-foot Red	Fuel Line
658280	2-foot Blue	-4 AN x 1/8" NPT
658290	2-foot Red	-4 AN x 1/8" NPT
658310	3-foot Blue	Nitrous Line
658320	3-foot Red	Fuel Line
658330	4-foot Blue	Nitrous Line
658340	6-foot Blue	Nitrous Line
658350	8-foot Blue	Nitrous Line
658360	10-foot Blue	Nitrous Line
658370	12-foot Blue	Nitrous Line
658380	14-foot Blue	Nitrous Line
658390	16-foot Blue	Nitrous Line
658400	18-foot Blue	Nitrous Line
658410	20-foot Blue	Nitrous Line
658810	8" Blue	-4 AN to -3 AN
658820	8" Red	-4 AN to -3 AN
658420	1-foot Blue	-4 AN to -3 AN
658430	1-foot Red	-4 AN to -3 AN
658790	15-foot Blue	-4 AN to -3 AN
658800	15-foot Red	-4 AN to -3 AN
658440	18" Blue	-4 AN to -3 AN
658450	18" Red	-4 AN to -3 AN
658460	1-foot Blue	-4 AN to -6 AN
658470	18" Blue	-4 AN to -6 AN
658480	18" Red	-4 AN to -6 AN

-6 AN Nitrous/Fuel hoses

PART NO.	LENGTH/COLOR	DESCRIPTION
658490	1-foot Blue	Nitrous Line
658500	1-foot Red	Fuel Line
658510	2-foot Blue	Nitrous Line
658520	2-foot Red	Fuel Line
658530	4-foot Blue	Nitrous Line
658540	6-foot Blue	Nitrous Line
658550	8-foot Blue	Nitrous Line
658560	10-foot Blue	Nitrous Line
658570	12-foot Blue	Nitrous Line
658580	14-foot Blue	Nitrous Line
658590	16-foot Blue	Nitrous Line
658600	20-foot Blue	Nitrous Line



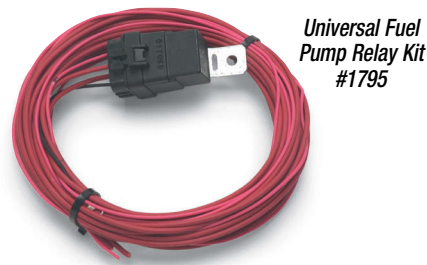
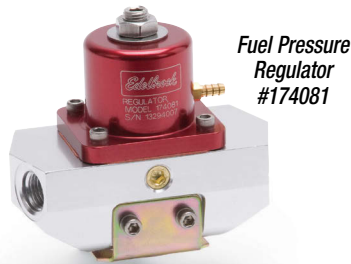
For top-of-the-line fittings, hose ends, braided stainless steel or rubber hose and brake hoses choose Russell Performance Products.
www.russellperformance.com



Russell nitrous and fuel hoses have a working pressure rating of 1500 psi

CARB/PLATE KITS
EFI KITS
DIRECT PORT KITS
ACCESSORIES
BOTTLES & KITS
GAUGES
ELECTRICAL
FITTINGS & HOSES
FUEL PUMPS & REGS
DEALER
TECH TIPS
INDEX

FUEL PUMPS AND REGULATORS



FUEL PRESSURE REGULATORS

CARBURETED ADJUSTABLE FUEL PRESSURE REGULATORS

These fuel pressure regulators are machined from aircraft quality aluminum for those who demand the best. They have fluorosilicone diaphragm material for extended life and high temperature protection. Select regulators available with 1/8" NPT gauge port and a boost reference fitting for blow through or pressurized carb applications (even beyond 30 PSI of boost). Pressure regulation slope is 0.75 psi/gal of flow rate change. Will hold fuel system pressure for at least 20 minutes after pump shutdown. They are compatible with all grades of gasoline/methanol. Developed for optimum compatibility with Edelbrock Quiet-Flo fuel pumps.

Max Flow Rate (GPH)	Adjustable Pressure Range (PSI)	Inlet Port	Outlet Port	Return Port	Vacuum or Boost Port	Gauge Port	Red	Blue	Black	Silver & Black
Non-Bypass Style										
160	5-10	3/8" NPT	3/8" NPT	No	No	Yes	174121	174122	174123	1727
Bypass Style										
160	5-10	3/8" NPT	3/8" NPT	3/8" NPT	No	Yes	174131	174132	174133	1778
180	5-10	-10	-10	-6	Yes	Yes	174051	174052	174053	—
180	5-10	-10	-6 (x2)	-8	Yes	Yes	—	—	174103*	—

HIGH-FLOW CARBURETED ADJUSTABLE FUEL PRESSURE REGULATOR

- Features six -6 AN inlet/outlet ports and one -6 AN return port
- Pressure regulation slope is .75 PSI/gal of flow rate change
- Boost reference fitting for "blow through" or pressurized carb applications (even beyond 30 PSI of boost)
- Supports up to 1,300 hp using gasoline or up to 650 hp using methanol
- Can be used with low pressure nitrous oxide systems

Max Flow Rate (GPH)	Adjustable Pressure Range (PSI)	Inlet Port	Outlet Port	Return Port	Vacuum or Boost Port	Gauge Port	Red	Blue	Black
180	5-10	-6	-6	-6	Yes	Yes	174081*	—	—

REGULATOR SERVICE PARTS

CARBURETED DIAPHRAGM AND HARDWARE REBUILD KIT	PART NUMBER
For use with #174051, #174052, #174053, #174081 & #174103	178040



Regulator Rebuild Kit #178040

UNIVERSAL FUEL PUMP RELAY KIT

Designed specifically for proper fuel pump wiring, this 30-amp relay kit is strongly recommended when installing Edelbrock electric fuel pumps #1791 and #1792 but can also be used as a universal relay on competitors' pumps. Constructed of the highest quality wire and weather pack 30-amp Bosch® relay, this industrial grade kit allows you to mount the relay in virtually any location. The relay assures proper voltage to the fuel pump at all times, for consistent and accurate fuel pressure. Each kit is complete with:

- 18' of 12-volt activation wire lead • 18' of 12-volt battery wire lead • 18' fuel pump 12-volt lead
- 18' of ground wire lead • 30-amp weather resistant Bosch® relay • Complete instructions.

UNIVERSAL FUEL PUMP RELAY KIT	PART NUMBER
Fuel Pump Relay Kit	1795

FUEL PUMPS AND REGULATORS

CARB/PLATE KITS

EFI KITS

DIRECT PORT KITS

ACCESSORIES

BOTTLES & KITS

GAUGES

ELECTRICAL

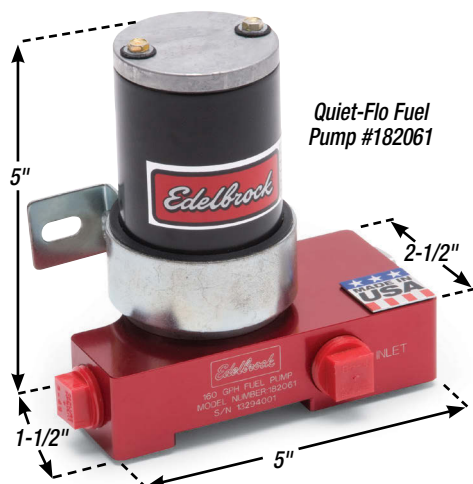
FITTINGS & HOSES

FUEL PUMPS & REGS

DEALER

TECH TIPS

INDEX



QUIET-FLO™ ELECTRIC FUEL PUMPS

These state-of-the-art Electric Fuel Pumps offer maximum performance in a compact package. With anodized aluminum housings and high-quality internals, they are both strong and durable. Each pump is factory-tested and includes mounting brackets. The carbon vanes and composite rotor give these pumps the added boost for maximum performance. The high quality construction results in a pump that is **4 to 14 dB quieter than competitors' pumps at the same pressure.** #1791 is factory preset to 6.5 psi and **no regulator is required.** With a replaceable screen type inlet filter and the free flow rate of 120 GPH it is sufficient to supply 480 hp. #1792 has a **free flow rate of 160 GPH, enough to feed a 1000 hp engine.** This pump is factory preset to 12 psi and requires an external regulator such as the Edelbrock regulator #1727.

Important Notes: These pumps should be mounted as close to the fuel tank as possible, at or below the fuel level. For proper installation and voltage requirements, use fuel pump relay kit #1795. All fuel pumps are for gasoline only. Edelbrock offers rebuilding services for Quiet-Flo fuel pumps - call for more information.

GPH	Factory Pressure Setting (PSI)	Inlet Port (NPT)	Outlet Port (NPT)	External Regulator Required	Supported HP	Red	Blue	Black
120	6.5	3/8"	3/8"	No	480+	182051	182052	1791
160	12	1/2"	1/2"	Yes	1,000+	182061	182062	1792



Quiet-Flo Pump and Regulator Combo Kit #17923



The body is machined from aluminum billet stock and anodized for longer protection from corrosion

Precision molded composite rotor reduce inertia loads for longer fuel pump life

Cutaway of Pump #1791

Accurately set to factory specs, and can be easily adjusted with this screw if needed

Lightweight carbon vanes reduce the centrifugal force for less friction and wear

Internal race is machined to minimize wear, improve performance, and reduce noise

PART NUMBER	HP Rating	Current Draw
1791, 182051, 182052	384 hp @ 12.0 VDC 480 hp @ 14.0 VDC @ 6.5 psi	3.2 amps @ 12.0 VDC 3.6 amps @ 14.0 VDC @ 6.5 psi
1792, 182061, 182062	864 hp @ 12.0 VDC 1,008 hp @ 14.0 VDC @ 7.5 psi	3.8 amps @ 12.0 VDC 4.3 amps @ 14.0 VDC @ 7.5 psi

QUIET-FLO FUEL PUMP AND REGULATOR COMBO

This no guesswork electric fuel pump and regulator combination setup is made from a Quiet-Flo pump #1792 and regulator #1727. This combination works for carbureted applications and nitrous systems has a flow rate of 160 gph with a factory preset of 12 psi. The included regulator is adjustable from 5 to 10 psi.

QUIET-FLO FUEL PUMP AND REGULATOR COMBO (160 gph)	PART NUMBER
	17923

IN-LINE STREET/STRIP ELECTRIC FUEL PUMP

Street/Strip fuel pumps can be utilized as an in line booster pump or as a stand-alone unit. These pumps are continuous duty rated and are ideal for EFI applications that require additional pumping capabilities from upgrade modifications such as high compression pistons, high flow intake manifold, big bore throttle bodies, cams, turbo kits, supercharger and nitrous applications up to 600 HP. Includes mounting brackets and 3/8" (10mm x 1) barb fittings. Match with EFI regulator #1728 for adjustability from 35 to 90 psi. For external use only.

Important Notes: These pumps should be mounted as close to the fuel tank as possible, at or below the fuel level.

IN-LINE STREET/STRIP FUEL PUMP	PART NUMBER
255 liter/hr. (67 gph @ 45 psi) 3/8" hose barb fittings	3594

EFI FUEL PUMPS AND REGULATORS



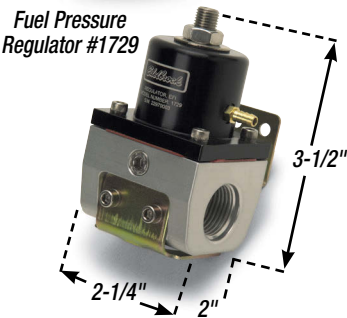
Quiet-Flo Fuel
EFI Pump #182032



Quiet-Flo Fuel
EFI Pump #182081



Fuel Pressure
Regulator
#1728



Fuel Pressure
Regulator #1729



Service Kit #178010



In-Tank
Fuel Pump
#17935

ELECTRIC FUEL PUMPS

EFI And Carb Applications

These fuel pumps feature an anodized aluminum housing and high-quality internals, resulting in both a strong and durable design. The in-line design keeps the pump motor and components cool even under harsh conditions. Compatible with all grades of gasoline and methanol type fuels only. Each pump is factory-tested and includes mounting brackets.

Important Notes: Edelbrock offers rebuilding services for Quiet-Flo fuel pumps - call for more information.

GPH	Inlet Port	Outlet Port	Red	Blue	Black
80 @ 45 psi	-10 (SAE)	-10 (SAE)	182031	182032	1790
120 @ 45 psi	-12 (SAE)	-12 (SAE)	182071	182072	1794

EFI AND CARBURETED SLIM-LINE ELECTRIC FUEL PUMP

- Compact design for tight locations and can be mounted inside fuel cell or external
- Flow-thru design keeps motor and pump components cool even under harsh conditions
- Machined from aerospace quality components
- Compatible with all 12-15 volt systems
- Not for use with diesel fuel

GPH	Inlet Port	Outlet Ports	Red	Blue	Black
67 @ 45 psi (12 volts)	-8	-6	182081	182082	182083

FUEL PRESSURE REGULATORS

EFI ADJUSTABLE FUEL PRESSURE REGULATORS

These Fuel Pressure Regulators are machined from aircraft quality aluminum for those who demand the best. They have a diaphragm made of fluorosilicone for extended life and high temperature protection. These regulators will hold fuel system pressure for at least 20 minutes after pump shutdown. They are compatible with all grades of gasoline/methanol. Mounting bracket, fittings and hardware are included. Each regulator features a vacuum/boost compensating port for a supercharger, turbo or intake manifold vacuum connection.

Max Flow Rate (GPH)	Adjustable Pressure Range (PSI)	Inlet Port	Outlet Port	Return Port	Vacuum or Boost Port	Gauge Port	Red	Blue	Black	Silver & Black
180	35-90	-6	-6	-6	Yes	No	174041	174042	174043	1728
180	35-90	-10	-10	-6	Yes	Yes	174021	174022	174023	1729
270	35-90	-10	-10	-8	Yes	Yes	—	—	174113*	—

EFI REGULATOR SERVICE PARTS

EFI DIAPHRAGM AND HARDWARE REBUILD KIT	PART NUMBER
For use with #1728, #1729, #174021, #174022, #174023, #174041, #174042, #174043	178010

HIGH PERFORMANCE IN-TANK FUEL PUMPS

These OE in-tank upgrade pumps are ideal for supporting performance improvements such as a high performance intake manifold, cams, turbo, direct port nitrous systems, big-bore throttle body, etc. They replace your original pump exactly and include all necessary hardware for an easy installation.

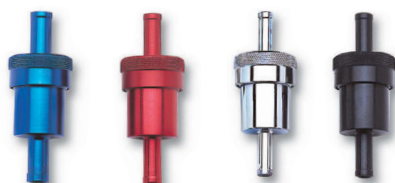
FOR 1985-97 FORD MUSTANG (except 1996-97 COBRA)	PART NUMBER
155 liter/hr. (41 gph)	17930
190 liter/hr. (50 gph)	17931
255 liter/hr. (67 gph)	17932
255 liter/hr. (67 gph, high pressure for turbo or nitrous)	17935

FOR 1985-92 FUEL-INJECTED GM VEHICLES (non-TBI)	PART NUMBER
255 liter/hr. (67 gph)	17933

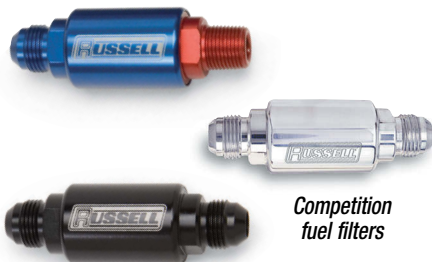
FOR 1994-99 ACURA INTEGRA AND 1992-00 HONDA CIVIC	PART NUMBER
255 liter/hr. (67 gph, 60+ psi for turbo, supercharger or nitrous)	17937



Russell Performance Products...
An Edelbrock Company



Aluminum street fuel filters



Competition fuel filters



12" and 8-1/4" fuel filters



6" ProFilter #649250



ProFilter clamp #649053

ALUMINUM STREET FUEL FILTERS

These aluminum street fuel filters feature a sintered-bronze 40 micron element that can be cleaned or replaced. They are designed for carbureted engines making less than 300 hp and can fit 5/16" or 3/8" fuel hoses.

Description	Inlet/Outlet Port	Blue	Red	Chrome	Black
1-1/8" diameter x 3" length	5/16"	645080	645070	645060	645090
1-1/8" diameter x 3" length	3/8"	645140	645130	645120	#645150
Replacement element	651660				

1-1/4" COMPETITION FUEL FILTERS

1-1/4" Competition fuel filters are designed for high volume gas or alcohol fuel systems. They are manufactured from billet aluminum and available -6 and 3/8" NPT male outlets. A 40 micron disc element keeps the fuel free of debris. The 3/8" NPT connects directly to fuel pump, Y-block or fuel regulator. Available in polished aluminum, red/blue or black anodized finish.

Description	Inlet/Outlet Port	Red & Blue	Polished Aluminum	Black
3" length	-6 male	650130	650140	650133
3-1/4" length	-6 male	650100	650110	650103
3" length	-6 x 3/8" male NPT	650190	650200	-
3-1/4" length	-6 x 3/8" male NPT	650170	650180	-
Replacement element (40 microns)	651670			
Replacement seals for all competition filters	650160			

PROFILTERS

The Russell ProFilter is engineered to provide full flow filtration with a minimum amount of restriction. Precision machined from billet aluminum, the ProFilter end caps are removable for easy access to service the element. The replaceable element is secured with a positive O-ring seal, insuring the optimum in filtration.

- Designed for carbureted or fuel injected engines
- Offered in -6, -8, -10 and -12 male outlets standard or in multiple end configurations
- Anodized in red/blue or black/silver
- Flows up to 140 gallons per hour at 7 psi

Description	Inlet/Outlet Port	Red & Blue	Silver & Black
12" filter with paper element	-8 male	649000	-
12" filter with paper element	-12 male	649110	-
12" Replacement paper element (10 microns)		649060	
8-1/4" high flow with nylon element	-6 male	649140	649143
8-1/4" high flow with nylon element	-8 male	649150	649153
8-1/4" high flow with nylon element	-10 to -6 male	-	649213
8-1/4" high flow with nylon element	-10 male	649160	-
8-1/4" high flow with nylon element	-12 to -10 male	649200*	-
8-1/4" high flow with nylon element	-12 male	649170	-
Replacement nylon element (60 microns)	649180		
Replacement seals for all ProFilters	648990		

6" PROFILTER FOR EFI

Machined from 6061-T6, our ProFilter for EFI systems utilizes a 10 micron pleated paper element that insures maximum filtration while delivering large volumes of fuel. The -10 inlet and outlet ports incorporate O-ring boss seals for leak-free connections. Features a black anodized body with silver ends. Mounting clamp included.

6" PROFILTER FOR EFI	PART NUMBER
6" ProFilter for EFI applications (-10 inlet/outlet)	649250
Replacement Paper Element (10 micron)	649255
Replacement Stainless Steel Element (60 micron)	649256
Replacement O-rings (-10, qty. 2)	648980

FUEL FILTER CLAMPS FOR RUSSELL PROFILTERS

Clear anodized billet aluminum for use with ProFilters.

6" PROFILTER FOR EFI	PART NUMBER
2" ID for 8-1/4" and 12" ProFilters	649053
2.2" ID for 6" ProFilters	649273

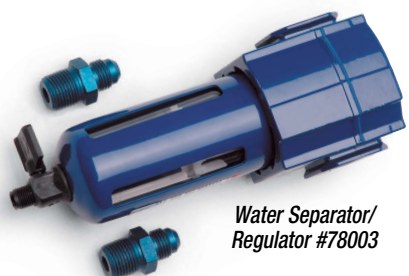
CARB/PLATE KITS
EFI KITS
DIRECT PORT KITS
ACCESSORIES
BOTTLES & KITS
GAUGES
ELECTRICAL
FITTINGS & HOSES
FUEL PUMPS & REGS
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DEALER

- Nitrous Bottle Refill Pump Station Features:**
- Industrial style pneumatic driven transfer pump
 - 20" bottle stand for threaded neck bottles
 - Anodized fuel filter assembly
 - Air supply Water Separator/Regulator
 - Operating manual and instruction sheet



Nitrous Bottle Refill Pump Station #78000



Water Separator/Regulator #78003



Nitrous Plan-O-Gram #0310



Dealer Decal #0209

NITROUS BOTTLE REFILL PUMP STATION

The Refill Pump Station comes complete with all the plumbing, hoses, gauge, valve, fittings and bottle stand necessary to transfer nitrous from a mother cylinder to the receiving bottle. The pump runs off compressed air, requiring no electrical hook-up, and includes Water Separator/Regulator #78003 to extend the life of your pump. Every kit also includes a **dealer decal #0209** to let others know that you support the high-quality Edelbrock nitrous program.

NITROUS BOTTLE REFILL PUMP STATION	PART NUMBER
Refill Pump Station	78000
Replacement Pump only	78001

WATER SEPARATOR/REGULATOR

This combination water separator and air pressure regulator is a replacement accessory for our nitrous refill pump station and a great addition to any transfer station. Besides regulating the air pressure to the correct level, it prevents water from entering the nitrous pump and causing damage, thereby extending the life of your transfer pump.

WATER SEPARATOR/REGULATOR	PART NUMBER
Water Separator/Regulator	78003

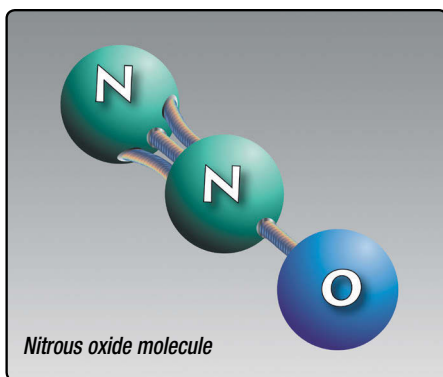
NITROUS PLAN-O-GRAM

This Nitrous Plan-O-Gram showcases the most popular Edelbrock Nitrous products; you will see an immediate improvement in sales. In addition, the Plan-O-Gram can be an important training tool for sales personnel and educating customers by showing them that Edelbrock is more than just manifolds. The results — a well-equipped staff and customers who are confident that they made the right decision when they chose Edelbrock.

NITROUS PLAN-O-GRAM	PART NUMBER
Nitrous Plan-O-Gram	0310

FREE POINT-OF-PURCHASE

FREE POINT-OF-PURCHASE	PART NUMBER
6" x 9-1/2" red, black and white decal that tells your customers that you refill Edelbrock nitrous bottles. Edelbrock "Nitrous Refills Sold Here" Dealer Decal	0209



Benefits of Nitrous Oxide

- **Lowers engine intake air temperature, producing a dense inlet charge**
- **Increases the oxygen content of the inlet charge (air is only 22-percent oxygen by weight while nitrous oxide is 36-percent oxygen by weight)**
- **Increases the rate at which combustion occurs in the engine's cylinders**
- **Nitrogen acts as a buffer by remaining attached to the oxygen molecule until the bond is broken in the heat of combustion—otherwise, the free oxygen molecule could cause premature combustion before it reaches the cylinder!**



TECHNICAL DISCUSSION

From a performance standpoint, nitrous oxide is one of the most cost-effective methods of increasing horsepower on the market today. In addition, nitrous is compact, so it doesn't stand out, and it's only used when needed. To understand how nitrous oxide works, let's review how an engine operates.

A gasoline engine's operation depends on three factors: fuel, air and spark. The engine takes in air and fuel and ignites it with the spark. The ignited mixture results in hot, expanding gasses that push the piston down the cylinder, thus causing the engine to run and transfer power throughout the drivetrain. When it comes to increasing engine performance, there are a wide variety of performance parts on the market, & most are designed to do one thing: increase the amount of air and fuel the engine can gulp into the cylinder on the intake stroke. The more air & fuel the engine can pack into the cylinders on the intake stroke, the greater the hp level.

WHAT IS NITROUS OXIDE?

Nitrous oxide is a cryogenic gas composed of two nitrogen molecules bonded to one oxygen molecule, hence, the chemical name of N_2O . It stays in liquid form under pressure and converts to a gaseous state when released into the atmosphere. Being 36% oxygen by weight, nitrous oxide is considered to be an oxidizer, not a fuel, and is non-flammable by itself. Because nitrous oxide is a cryogenic gas, the same safety methods in handling dry ice apply to nitrous. Direct contact with the skin will cause a burn similar to contact with dry ice.

Nitrous Oxide is offered for sale in two common grades, which are U.S.P., and Nitrous Plus. U.S.P. nitrous oxide is medical grade nitrous oxide. Its common use is dental and veterinary anesthesia as well as use as a propellant in food such as canned whip cream.

U.S.P. is not available to the public and would provide no advantage in the making of horsepower over the automotive grade nitrous oxide. Nitrous Plus was specifically designed for automotive consumption and differs from U.S.P. in that it contains trace amounts of sulfur dioxide (100 parts per million or "PPM") added to prevent substance abuse. The Sulfur Dioxide is an irritant to all of your breathing passageways and will cause sore throats and sore nasal passages. Nitrous Plus was specifically created for automotive applications and is available for sale to the public at many speed shops across the USA and abroad.

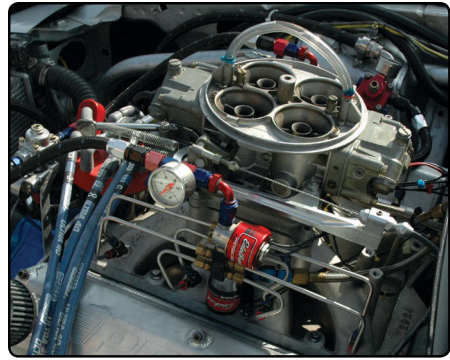
HOW DOES NITROUS OXIDE WORK?

As stated before, nitrous oxide is an oxidizer. An oxidizer supports combustion by supplying additional oxygen. Initially, the nitrous doesn't help the process. This is because as long as the one oxygen molecule is bonded to the two nitrogen molecules, the oxygen isn't free to aid combustion at all. Only after they've been exposed to the heat of the combustion process will the chemical bond be broken (the bond breaks around 570 degrees), allowing the free oxygen molecule to then contribute to the combustion process. Additional fuel is added along with the nitrous to maintain a stoichiometric air/fuel ratio. The end result is more horsepower being created pretty much the same way a blower or turbocharger does.

TECH TIPS

Engine Configuration Tips For Edelbrock Direct Port Systems

- 1 When using an Edelbrock Direct Port Nitrous System, extra fuel is required to make the additional horsepower. Call the **Edelbrock Tech Line at 1-800-416-8628** from 7am to 5pm PST Monday-Friday for more information regarding Edelbrock fuel pumps.
- 2 In extreme horsepower applications, such as with our Victor Jr., Victor & Super Victor Series Nitrous Systems, extremely high cylinder pressures can be generated. We recommend high-strength internal engine components such as forged pistons and crankshaft, high performance connecting rods, etc. Please contact the Edelbrock Tech Line for more information regarding your engine configuration for the power gains you are looking to achieve.
- 3 For race engine applications, there are cams specifically designed for use with nitrous. Typically, these cams will feature a wider-than-normal lobe separation angle, usually around 112° to 114° to keep the nitrous-enhanced intake charge from being purged out through the exhaust valve. Cam changes such as these are only to be performed on racing engines, not stock or near stock applications.
- 4 For race engine applications, many standard ignition systems experience misfires at high cylinder pressures and/or high RPM. We recommend using a high-quality performance ignition system for such racing applications.



SYSTEM TUNING

This technical information is to be used as an aid in helping to tune our nitrous oxide systems. Before addressing the nitrous variables, be sure that you have properly tuned your engine and that it's working at peak efficiency without nitrous. Our goal is to provide reliable horsepower gains without sacrificing dependability or reliability. To achieve the gains that we did, you need to eliminate variables that could cause less-than-ideal operation.

Keep it Simple...

There are only four engine tuning variables to keep in mind when dealing with nitrous oxide. They are:

- **Timing** – Retard ignition timing 1-1/2° to 2° for every 50 hp of nitrous used (may vary by application)
- **Spark Plugs** – 1 heat range colder for every 100 hp, non-projected type plug with a gap of .025 to .035. Use non platinum plugs only!
- **Fuel Pressure** – As a general rule, do not exceed 6% fuel pressure drop when the nitrous system is activated. For example, if the OEM states that 45 psi is an acceptable fuel pressure for a given vehicle, the fuel pressure drop seen when the nitrous system is activated should be no more than 2.7 psi on EFI-equipped vehicles. On carbureted applications with 7.5 psi, a drop of no more than .5 psi is acceptable
- **Bottle Pressure** – Bottle Pressure should be between 900-950 psi

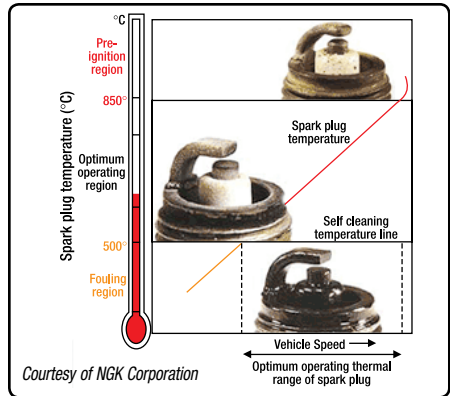


Figure 2 - The appearance of your spark plugs after a nitrous pass tells you a lot about the condition and state of tune of your engine

Spark Plug Heat Rating

Hot Type

- Large exposure surface to combustion gasses
- Dissipates heat slowly
- Firing end heats up quickly

Cold Type

- Smaller exposure surface to combustion gasses
- Dissipates heat quickly
- Firing end does not heat as quickly

Heat Range Types

Timing

When we set the timing on a car we are actually finding the point in which the engine will initiate the burn so that at about 15° After Top Dead Center (ATDC) peak cylinder pressure can occur. Depending on combustion chamber design and cylinder filling, this point can be anywhere between 30° and 45° Before Top Dead Center (BTDC). The reason we retard timing with nitrous injection is that the air charge becomes more oxygen dense, causing the air/fuel mixture to burn at a much higher rate. In other words, accelerated combustion occurs. This acceleration in combustion causes peak cylinder pressure to happen much earlier. The problem with this is that instead of using the energy generated by combustion to give the piston momentum we are transferring that heat energy onto the rotating and reciprocating assemblies, and possibly hurting them. In the process we are losing torque and horsepower. To prevent this, we recommend that you retard the ignition timing 1-1/2° to 2° for every 50 hp added through the nitrous system. This will ensure that peak cylinder pressure occurs at the same point it did before the nitrous was injected into an engine. Also keep in mind that retarding too much timing will also hurt you. If you retard more than the recommended amount, peak cylinder pressure can occur much later in the combustion cycle and that energy will be wasted. In most cases, avoid aftermarket chips or computers that are not designed for use with nitrous. They typically add more ignition timing, which could lead to power loss and engine damage.

Spark Plugs

The last frequently misunderstood factor in adapting a nitrous system to your engine is the spark plug. Three important aspects of spark plugs must be looked at: their heat range, reach and gap. We advise lowering the heat range of your spark plugs 1 step for every 100 hp added with nitrous. The other aspects of a plug that must be looked at are the reach and gap. It is best to use a non-projected type plug. Projected plugs allow a greater portion of the electrode to be exposed to combustion gases and possibly cause pre-ignition. The spark plug gap also plays a large roll in nitrous engine performance, because increased cylinder pressure from the additional nitrous and fuel makes it harder for the spark to jump the gap. The same gap that worked for a non-nitrous set-up may be too much for nitrous, leading to excessive misfires and loss of power. Also, we recommend that you **do not** use platinum plugs. The platinum tips can get extremely hot and will cause detonation. Plus, there is a chance the tip may break off in even cases of mild detonation and can severely damage the engine.

Ideally a gap between .025" and .035" should be used on high horsepower applications where an inductive style ignition system is utilized. Engines equipped with capacitive discharge ignition systems may use gaps larger than .035". It's very important to learn how to read the plugs after a pass. A plug can tell you a lot of what is happening in the combustion chamber. See Figure 2 to the left for more on this important detail.

Fuel Pressure

A commonly overlooked problem is insufficient fuel pressure. To maintain consistent fuel pressure and delivery we must determine if it is adequate for the task. Most modifications will be fine on factory fuel delivery systems. On highly modified engines that horsepower levels exceed 40% over the manufacturer rated hp level, modifications like the addition of an in-line booster pump or dedicated fuel system is recommended. The purpose of a booster pump is to work in conjunction with the stock pump and maintain a more consistent fuel pressure. The booster pump allows the factory pump to provide its maximum volume capacity; the booster pump then increases the fuel pressure. In racecar applications with a direct port nitrous system or wet nitrous system, a dedicated fuel system is recommended. A dedicated fuel system consists of a fuel pump, fuel pressure regulator and feed line to the fuel solenoid. The purpose of a dedicated fuel system is to provide fuel enrichment for the nitrous system independent of the primary fuel system. A dedicated fuel system offers a greater degree of tune-ability and eliminates problems that might arise from sharing a fuel pump with the engine.



To make sure your fuel system has adequate fuel pressure, use an Edelbrock Flow Test Tool #76506 to measure your fuel system's "flowing pressure".

Relationship Between Nitrous Bottle Temperature & Pressure

Temp. (F)	Press. (psi)	Temp. (F)	Press. (psi)
-40°	122	40°	490
-20°	188	50°	565
-10°	225	60°	655
0°	260	70°	735
10°	315	80°	840
20°	365	90°	945
30°	430	98°	1040

Figure 1 - Nitrous Temperature/Pressure Table

Bottle Pressure

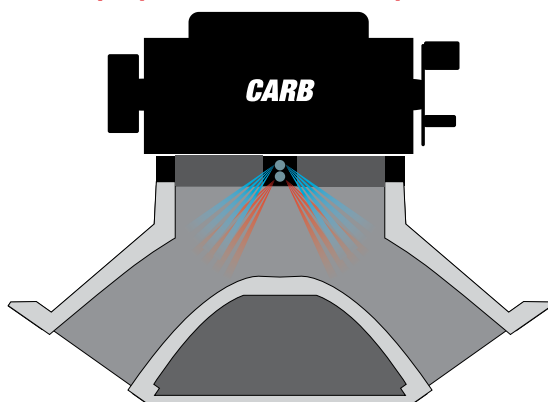
Bottle pressure is one of the most important factors in tuning a nitrous oxide system. Many people feel that if a bottle is full then the pressure must be right, however, that isn't always true. Pressure has a direct relationship to temperature. A full bottle can vary from 750 to 1200 psi depending of the method used to fill the bottle. All Edelbrock nitrous systems are tuned utilizing liquid nitrous, which is denser than gaseous nitrous and more stable. Nitrous becomes a liquid at a temperature of -127°F at atmospheric pressure. Since this temperature is nearly impossible to sustain and there would be no pressure to carry the nitrous where it needs to go, we use the alternate method to change the phase to a liquid by pressurizing it to a level of 735 psi or greater, ideally 950 psi. At 950 psi nitrous has a density of 5.44 lb/gal., bottle pressure is more stable and can easily be sustained with the use of a **bottle heater**. Many people also feel that running pressure greater than 950 psi will generate much higher flow of nitrous, however, this is not the case.

Figure 1 on the left illustrates the relationship between bottle temperature and bottle pressure. Note that as volume decreases it is harder to maintain pressure and a **bottle heater** can help ensure better consistency. A consistent bottle pressure provides a consistent amount of nitrous delivered during a given period of time. It's also good practice to top off the bottle when it reaches a volume of less than 40%. Although a pressure of 950 psi can be achieved at almost any volume, the problem is that the pressure drop will be much greater than when a bottle is full, and consistency can be affected.

TYPES OF NITROUS SYSTEMS

The following diagrams illustrate how four common systems inject nitrous and supplemental fuel to increase horsepower.

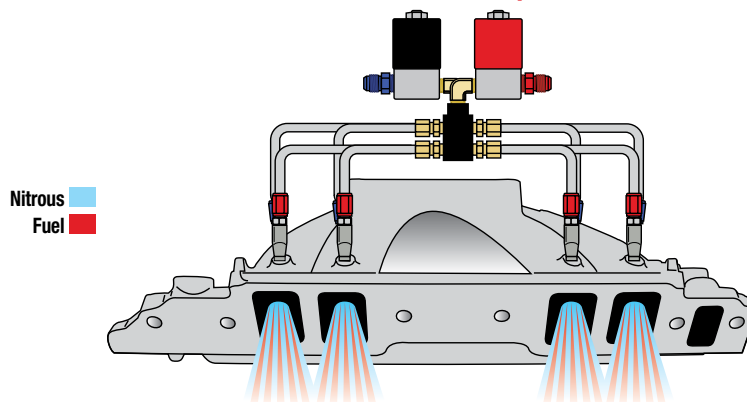
Spray Bar Plate Nitrous Systems



Nitrous & Supplemental Fuel

Our most common system. One carburetor plate injects both nitrous and additional fuel using one nitrous spray bar and one fuel spray bar. Both sides are metered by tuning jets as they're sprayed into the incoming air charge.

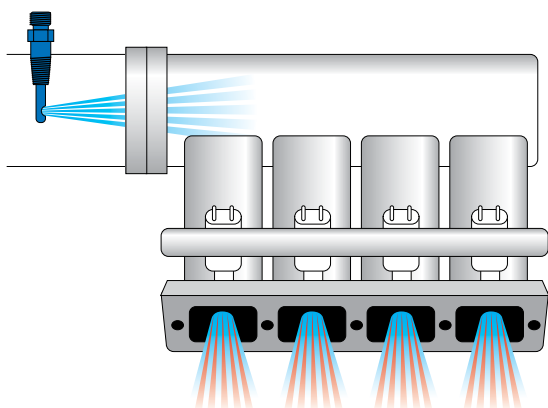
Direct Port Nitrous Systems



Nitrous & Supplemental Fuel

Each intake runner is equipped with its own direct-port style nozzle which injects both nitrous and additional fuel metered by tuning jets as they're sprayed into the incoming air charge. This type of system is ideal for individual cylinder tuning and developing maximum horsepower.

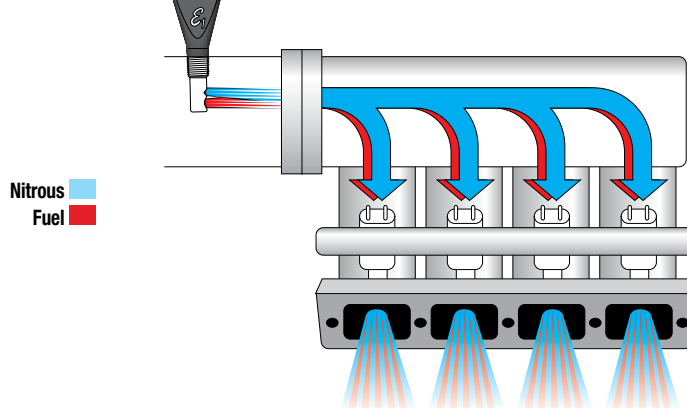
Dry EFI Nitrous Systems



Nitrous & Supplemental Fuel

Nitrous is metered by tuning jets and injected through a dry nozzle (no fuel) into the incoming air charge. The nitrous system interfaces with the stock EFI system and increases fuel flow to the existing fuel injectors when the system is armed and triggered.

Wet EFI Nitrous Systems



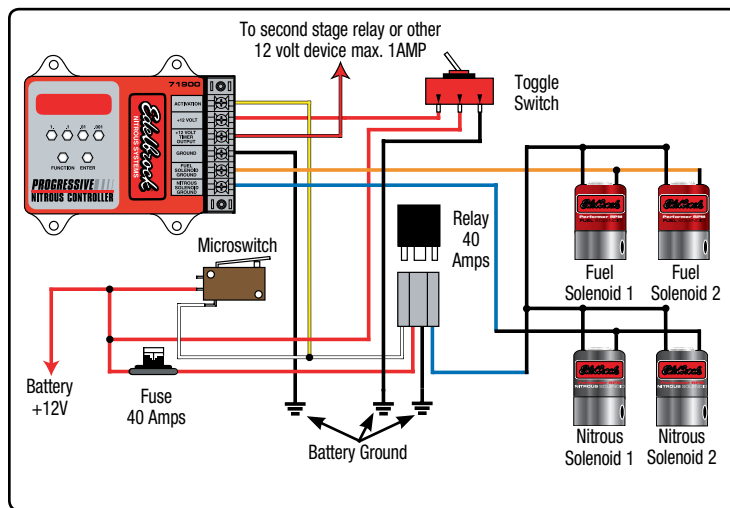
Nitrous & Supplemental Fuel

One direct-port style nozzle injects both nitrous and additional fuel metered by tuning jets as they're sprayed into the incoming air charge.

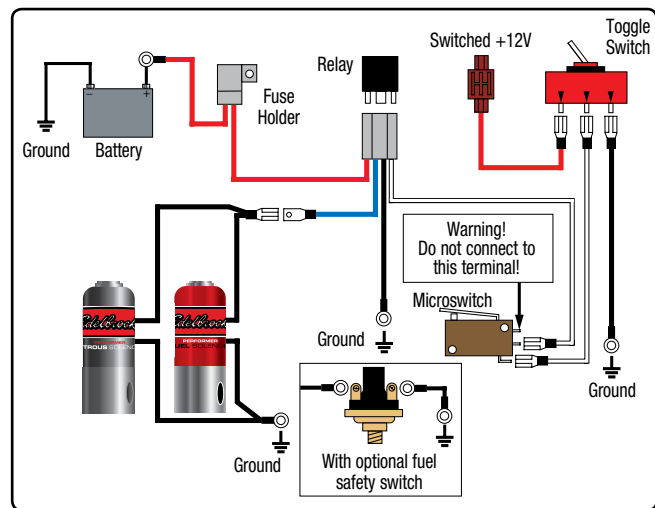
CARB/PLATE KITS
EFI KITS
DIRECT PORT KITS
ACCESSORIES
BOTTLES & KITS
GAUGES
ELECTRICAL
FITTINGS & HOSES
FUEL PUMPS & REGS
DEALER
TECH TIPS
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TECH TIPS AND WIRING DIAGRAMS

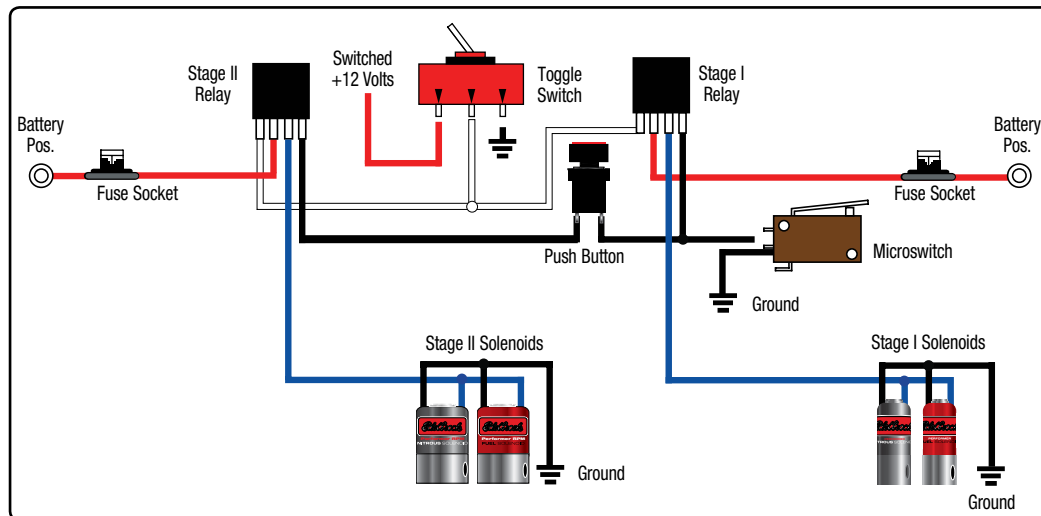
Progressive Nitrous Controller Diagram



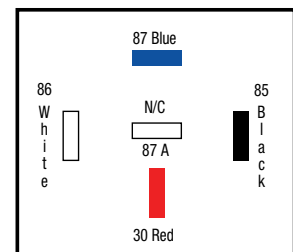
Carb Plate System Diagram



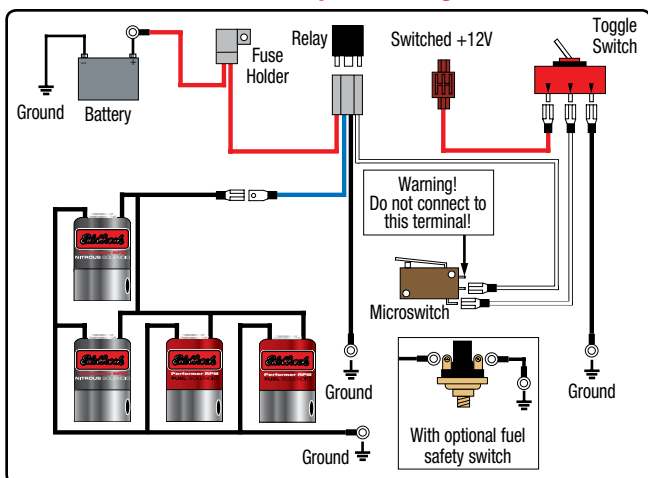
Dual Stage System Diagram



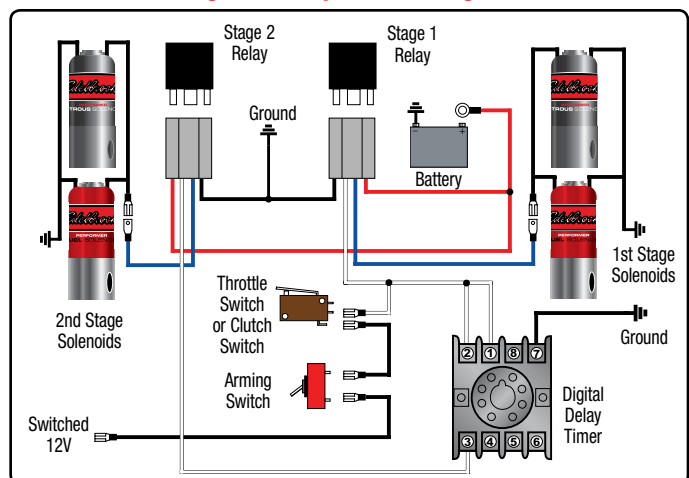
Relay Pin Diagram (BOTTOM VIEW)



Direct Port System Diagram



Digital Delay Timer Diagram



GENERAL WARRANTY

It is the constant endeavor of the Edelbrock Corporation to give our customers the highest quality products obtainable. Edelbrock warrants each new product, except Edelbrock Crate Engines, Performer Series Carburetors, Race Division Parts, Stainless Steel Tubular Exhaust Systems and Edelbrock IAS Shock Absorbers which are warranted separately, to be free from defects in both workmanship and material for a period of one (1) year from the date of purchase, provided that the product is properly installed, subjected to normal use and service and that the product is not modified or changed in any way, nor damaged because of negligence by customer or

installer or used for racing or competition purposes. Our warranty service and repair facility is located at 2700 California Street, Torrance, California 90503. Customers who believe they have a defective product should either return it to the dealer from which it was purchased or ship it directly to Edelbrock Corporation along with proof of purchase and a complete description of the problem. The product must be returned freight prepaid. If a thorough inspection of the product by the factory indicates defects in workmanship or material, our sole obligation shall be to repair or replace the product. Warranty covers only the product itself and not the cost of installation or removal.

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DIRECT PORT SYSTEMS

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